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UNIVERSITY OF TORONTO

REPORT OF THE

BOARD OF GOVERNORS

FOR THE

YEAR ENDING 30th JUNE

1918

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THE LEGISLATIVE ASSEMBLY OF ONTARIO

TORONTO
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UNIVERSITY OF TORONTO

REPORT OF THE

BOARD OF GOVERNORS

FOR THE YEAR ENDING 30th JUNE 1918

To His Honour the Lieutenant-Governor in Council:—

The Governors of the University of Toronto have the honour to submit their twelfth annual report, including therein the President's report upon the academic work of the University and its Colleges during the Session 1917-18, together with the reports of various departments. They also append the usual statement showing in detail the receipts and expenditures for the fiscal year ended 30th June, 1918, which has been duly audited in accordance with the provisions of the University Act.

During the year negotiations were completed with the holder of one of the Park leaseholds (three lots) whereby, in consideration of a cancellation of the ground rent and the assumption by the Board of the City taxes, only a life interest is retained by the lessee, an elderly lady, at whose death the whole property, including the valuable house thereon, reverts to the Board, and becomes immediately available for any University purpose.

During the year, also, the Board expended out of income some $8,500 upon the alteration and furnishing of the Annex to the Faculty of Education buildings at the corner of Bloor Street and Spadina Avenue. The placing of this building in commission has provided some additional class rooms and also accommodation in the way of rest rooms, etc., for the women students of that faculty.

The gross revenue for the year was $916,890. The deduction of interest written to scholarship and other trust funds, $7,423, gave a net revenue of $909,467, which is an increase of slightly more than $50,000 over the preceding year. The main items of income, however, were substantially the same, the increases being principally due to the use of the residences and dining hall by the military authorities and to the larger shares of heating and lighting expenses payable by the federated colleges; the latter, of course, being counter-balanced by greatly increased charges on the other side. The item of fees remained fairly constant, reaching $185,573, as against $188,425 in 1916-17. The low-water mark in this respect has now, it is hoped, been reached.

The expenditure under the appropriations for salaries and maintenance was $1,076,225. This represents an excess over the expenditure of the previous year of $129,778. The principal factors contributing to this were the greatly increased cost of operation of the central heating plant, which was some $48,000 higher, due to the enormous rise in the price of coal, and the special grant of $25,000 which was made towards the maintenance of the Toronto General Hospital. An expenditure of

$11,995 upon special research is also to be noted—an appropriation of $15,000 for this purpose was provided by the Board for the first time in the estimates of the year under review. The report of the President gives particulars of the work done under this. There was, further, an increase of some $27,500 in the expenditure upon the dining hall, more than offset by the receipts referred to. The expenditure upon the Education building annex has already been mentioned. The other items going to make up the total increase are of ordinary character and unimportant.

The deficit upon the year's operations was $166,758, which has been charged to the special grant of $200,000 made by the Legislative Assembly. The difference, together with $17,802 on hand from the previous year, renders $51,044 available towards augmenting the deficiency in revenue for the year 1918-19.

All of which is respectfully submitted.

B. E. Walker,

Chairman.

Toronto, 30th November, 1918.

PRESIDENT'S REPORT

1917-1918

To the Governors of the University of Toronto:—

GENTLEMEN,—I beg to submit the following report on the academic work of the University and University College during the twelve months ended June 30th, 1918.

The total staff of the University and University College numbered 413, of whom 58 were professors, 43 associate-professors, 24 assistant-professors, 66 lecturers and associates (in medicine), and 222 demonstrators, fellows and instructors with sessional appointments. They are distributed as follows:—

—	Professors.	Associate Professors.	Assistant Professors.	Associates.	Lecturers.	Other Sessional Appointments.
University (Faculty of Arts)....	22	10	10	.....	19	54
University College	10	4	3	.....	10 (1 in Univ.)	4
Faculty of Medicine	15	22	.....	17	5	118
Faculty of Applied Science.....	8	4	8	.....	13	13
Faculty of Household Science ...	.....	2	.....	.....	2	4
Faculty of Forestry	1	.....	3 (2 in Univ.)	.....	.....	.....
				Chief Instructors.	Assistant Instructors.	
Faculty of Education	2	1	2	4	20	5

The above figures include persons absent on military service whose appointments are continued on whole or part salary, or *pro formâ* without salary.

In Victoria College there were:

Professors (one in University)	11
Associate Professors	5
Lecturers	4

In Trinity College there were:

Professors	8
Lecturers	10*
Reader	1

(*2 on leave of absence.)

In St. Michael's College there were:

Professors	9
Lecturers	5

Reference was made in my last report to the death of Professor Fletcher, but I would call attention to Principal Hutton's tribute to his former colleague in his appended report.

I have to record with regret the death of Dr. G. R. McDonagh who served in the Faculty of Medicine in this University for many years and after a protracted period of ill-health passed away in August.

I regret also to report the sudden death of Professor Ledoux who came to the University as the guest of the staff three years ago. Professor Ledoux had suffered from ill-health ever since his terrible experience in the opening year of the war in Belgium. During the years that he was in Toronto he made many friends by his gentle disposition, and the deep sympathy of the University goes out towards Madame Ledoux.

Dr. G. Sterling Ryerson asked to be allowed to resign after fifteen years as Professor of Ophthalmology and Otology.

Dr. A. F. B. Clark resigned his position in the Department of English to accept an assistant-professorship in Washington University, Seattle.

Leave of absence for the year was continued to Professor Toews on account of ill-health and to Professor J. H. White, of the Faculty of Forestry.

The University was very fortunate in being able to fill the vacancy left in the Department of Italian and Spanish by the death of Professor Fraser by the appointment of Dr. J. E. Shaw to a professorship in these languages. Professor Shaw is a graduate of and held a chair in the Romance Department of Johns Hopkins University and has brought a fine record of scholarship and teaching power to the service of this University.

In Physiology the situation would have been serious had it not been for the kindness of Dr. Winifred Cullis, of the London School of Medicine for Women, who at our request undertook the direction of the work in Physiology from January to the beginning of May, and filled the position brilliantly. Not only did she win the admiration of her classes and the friendship of the staff of the University, but by her lectures in many places in Ontario she was most effective in arousing a sense of what the women of Britain have accomplished in the war. By coming to the University in our time of need when travelling by sea from Britain was so perilous, Dr. Cullis has laid the University under a deep obligation.

It is a great satisfaction to be able to report that during the session appointments were made to the Chairs of Physiology and Biochemistry, the former that of Dr. J. J. R. Macleod and the latter that of Dr. T. Brailsford Robertson. Dr. Macleod, who is a graduate of Aberdeen, studied for some years in London and on the continent of Europe, held the Chair of Physiology in the Western Reserve University at Cleveland, Ohio, for fifteen years, and by his teaching power and scientific attainments did much to increase the prestige of that Medical School. Dr. Robertson, who was educated at Adelaide, Australia, was for thirteen years in the University of California, and as a teacher and an investigator was one of the most distinguished of the younger men on the staff.

The following members of the staff, in addition to most of those mentioned in previous reports, were granted leave of absence for military or national service during the year: J. Watson Bain, E. A. Bott, J. G. Fitzgerald, W. Goldie, A. Lipari, J. C. McLennan, W. N. Millar, C. L. Starr, W. M. Treadgold.

Three of the staff were taken by draft into the American army—Professor Millar from the Faculty of Forestry; Mr. Lipari from the Department of Italian and Spanish; and Dr. Baumann from that of Biochemistry. The removal of

Dr. Baumann occasioned us great difficulty which was only met by the generous aid of Professor Andrew Hunter and Professor Clara Benson, who themselves undertook much of the work of the Department of Biochemistry.

In addition the following promotions and new appointments were made during the year:

In the Faculty of Arts, S. Beatty, Ph.D., was promoted from a lectureship to an assistant-professorship in Mathematics; S. A. Cudmore, B.A., Oxon., was promoted from a lectureship to an assistant-professorship in Political Economy; C. T. Currelly, M.A., was appointed professor of the History of Industrial Art; E. A. Dale, M.A., Oxon., was promoted from a lectureship to an assistant-professorship in Latin; W. T. Jackman, M.A., was promoted from a lectureship to an assistant-professorship in Political Economy; Professor W. R. Lang, D.Sc., Glasgow, was appointed Director of Military Instruction; A. Lipari, M.A., Columbia, was appointed Lecturer in Italian and Spanish; H. S. McKellar, B.A., was appointed Lecturer in French; E. M. Walker, B.A., M.B., was promoted from an assistant-professorship to an associate-professorship in Biology; J. H. White, M.A., B.Sc.F., was promoted from a lectureship to an assistant-professorship in Botany and Forestry; and W. D. Woodhead, B.A., Oxon., M.A., Alberta, was appointed lecturer in Latin.

In the Faculty of Medicine, H. K. Detweiler, M.D., was promoted from an instructorship to a lectureship in Pathology.

In the Faculty of Applied Science, M. C. Boswell, M.A., Ph.D., was promoted from an assistant-professorship to an associate-professorship in Organic Chemistry; L. J. Rogers, B.A.Sc., was appointed lecturer in Analytical Chemistry.

In the Faculty of Household Science, Miss Z. A. Herrick, B.S., Columbia, was appointed lecturer in Household Science.

In the Faculty of Education, H. J. Crawford, B.A., was promoted from an associate-professorship to a professorship of Methods in Classics; G. A. Cornish, B.A., was promoted from a lectureship to an assistant-professorship of Methods in Science; J. T. Crawford, B.A., was promoted from a lectureship to an assistant-professorship of Methods in Mathematics; J. G. Adams, B.A., H. B. Kilgour, B.A., W. J. Lougheed, M.A., W. H. Williams, M.A., were appointed Instructors in the University Schools.

The following member of the staff delivered a course of lectures at Trinity College:

M. A. Mackenzie, M.A., Professor of Mathematics.

The total number of students registered in the University in 1917-1918 was 2,799, or apart from those registered in the Summer Session and Occasionals in Social Service, 2,536, distributed as follows:—

	Men.	Women.	Total.
Faculty of Arts:—			
University of Toronto	54	10	64
University College	271	379	650
Victoria College	101	182	283
Trinity College	36	45	81
St. Michael's College	110	56	166
Graduate Courses	68	25	93
Faculty of Medicine	605	51	656
Faculty of Applied Science	166	2	168
Faculty of Education	126	232	358

	Men.	Women.	Total.
Faculty of Forestry	10	....	10
Department of Social Service	1	241	242
Summer Session and Teachers' Courses	19	27	46
Registered twice	13	5	18
	1,554	1,245	2,799

The figures may be further analyzed as follows:—

FACULTY OF ARTS.

University of Toronto.

Candidates for Ph.D.	27	
Candidates for M.A.	57	
Graduate Students	9	
Occasional Arts Students	15	
Veterinary Students	49	
		157

University College.

First Year Undergraduates	229	
Second Year Undergraduates	132	
Third Year Undergraduates	131	
Fourth Year Undergraduates	116	
Occasional Students	42	
		650

Victoria College.

First Year Undergraduates	75	
Second Year Undergraduates	74	
Third Year Undergraduates	63	
Fourth Year Undergraduates	50	
Occasional Students	21	
		283

Trinity College.

First Year Undergraduates	28	
Second Year Undergraduates	14	
Third Year Undergraduates	22	
Fourth Year Undergraduates	13	
Occasional Students	4	
		81

St. Michael's College.

First Year Undergraduates	79	
Second Year Undergraduates	38	
Third Year Undergraduates	29	
Fourth Year Undergraduates	16	
Occasional Students	4	
		166

Faculty of Medicine.

Candidates for M.D.	4	
First Year Undergraduates	171	
Second Year Undergraduates	102	
Third Year Undergraduates	90	
Fourth Year Undergraduates	64	
Fifth Year Undergraduates	94	
Dental Students	131	
		656

Faculty of Applied Science.

Candidates for Professional Degrees	2	
First Year Undergraduates	72	
Second Year Undergraduates	39	
Third Year Undergraduates	29	
Fourth Year Undergraduates	24	
Students of other Faculties	2	
		168

Faculty of Education.

Students registered	358	
		358

Faculty of Forestry.

First Year Undergraduates	5	
Second Year Undergraduates	1	
Fourth Year Undergraduates	4	
		10

Department of Social Service.

Students registered	242	
		242

Summer Session.

Students registered	46	
		46

The numbers examined in the different departments of the University, including those granted standing for Military Service, were as follows:—

Arts:		
Ph.D.	3	
M.A.	28	
Fourth Year	199	
Third Year	263	
Second Year	314	
First Year	357	
Senior Matriculation	89	
		1,253

Medicine:		
M.D.	3	
Fifth Year	94	
Fourth Year	55	
Third Year	50	
Second Year	85	
First Year	129	
		416
Applied Science:		
Professional Degrees	2	
Fourth Year	25	
Third Year	24	
Second Year	31	
First Year	61	
		143

Education	277
Forestry	9
Law	6
Degrees in Pedagogy	26
Pharmacy	20
Music	6
Dentistry	275
Agriculture	38
Local Examinations in Music	575
Veterinary Science	9
Social Service	232

The degrees conferred were:

LL.D. (Honorary)	2	
Ph.D.	1	
M.A.	27	
LL.B.	2	
M.D.	3	
D.P.H.	1	
M.B.	76	
B.A.	201	
C.E.	1	
M.E.	1	
B.A.Sc.	35	
D.Paed.	2	
D.D.S.	67	
B.S.A.	33	
B.Sc.F.	2	
F.E.	1	
Phm.B.	18	
B.V.S.	11	
D.V.S.	1	
Mus. Bac.	1	
		486

In comparison with the previous academic year the attendance at the University was smaller in every Faculty except Medicine, to which a number of students were returned from overseas by the military authorities to complete their courses. The regulations of the Militia Department in Canada with regard to undergraduates in Medicine accounted also for the increased attendance during the year that has just closed. The attendance has evidently reached its lowest ebb and from this time forward we may expect a rapid increase. In fact, the conclusion of peace will render urgent many problems with regard to accommodation.

The number of women who have entered upon the study of medicine has grown so rapidly and the difficulty of securing good rooms or boarding-houses for them has been so serious that the need has been created of providing a new residence for them as soon as possible.

Though we did not suffer as in the previous year from shortage of coal the buildings were closed by order of the Fuel Controller on February 9th and 11th.

As in former years since the beginning of the war the session was shortened in order that students might undertake agricultural work or other form of national service. Commencement was held on May 18.

For the first time every male student proceeding to a degree was required to undergo a medical examination by the Physical Director, and thereafter if physically fit to take regular military training, or, if exempted, physical exercise suited to his case. The new regulation was carried through with very little difficulty and I am glad to say that the report of the examiner was highly favourable. He used the categories set for army recruits, and reported that of the 960 students whom he examined only 154 of those over twenty years of age could be placed in Class A, and of these 51 belonged to the third year in medicine and might be exempted. As this examination was made early in October it is altogether probable that of the one hundred and three men of this class nearly all who would be accepted had taken military service before the session was far advanced. Though the students of the second, third, fourth and fifth years in Medicine were compelled by the Military Service Act to take military training, it was given for the most part by instructors who were appointed by the University and who conducted this work for the other Faculties.

As was to be expected enlistments of University graduates and undergraduates have continued rapidly so that at the end of June, 1918, there were 4,984 on active service, and at the time of writing this number has been increased to 5,308, made up as follows:—

	Officers.	Ranks.	Total.
Present Staff	101	2	103
Former Staff	47	15	62
Graduates	2,374	453	2,827
Former Students	227	75	302
Undergraduates	1,025	945	1,970
Faculty of Education	58	101	159
			5,423
Less duplicates			115
			5,308

Our records also show that of these there were,

Killed in action or died on service	517
Wounded	816
Missing, prisoners and interned	47

The following graduates, past students and undergraduates have fallen in the course of the year:

Coleman Boys Adams, Joseph Reginald Adams, William Harvey Aggett, Frederick Stanley Albright, Samuel Hall Allen, John Oliver Allison, Frederick John Anderson, Wilfred Bissell Andrew, Wilbur F. Annis, Fred Everest Banbury, Percy Louis Barber, Joseph Claude Anthony Barker, David Benjamin Bentley, George Herbert Berry, Richard Henry Bonnycastle, Richard Austin Brown, William Gordon Brown, Fraser Macpherson Bryans, Rosswell Mossir Burgess, John James Campbell, William Mackay Carlyle, James Ronald Chapman, Paul Brooks Clarke, Carleton Main Clement, William Henry Clipperton, Gordon Allan Cockburn, Walter Gordon Coutts, Ernest Herbert Cox, James Nelson Cunningham, Albert Edward Cuzner, Lawrence Lavell Davidson, Lester Jerome Deacon, Robert John Gunn Dow, Hubert Samuel Dowson, Jaffray Eaton, Douglas Quirk Ellis, Franklin James Foster, Russell Thomas Gardner, Gordon Smith Mellis Gauld, William Miller Geggie, Stewart Marcon Goodeve, John Alexander Gordon, James Burness Grange, John Vincent Guilfoyle, Orville Dwight Haist, Clifford Otto R. Hames, Howard Kilbourne Harris, John Hately, Roy Richard Hawkey, Thomas Herman Heintzman, James Henderson, Lewis Brock Henry, Charles Russell Hillis, Ernest Dryden Hosken, John Turner Howard, David Edwin Howes, Richard Alfred Ireland, Thomas Craik Irving, Franklin Palmer Jackes, Ralph Himsworth Jarvis, Hugh Reid Kay, Henry Alexander Taylor Kennedy, John Henry Knox, Henry Drummond Lang, Arthur Joseph Latornell, Robert William McBrady, Thomas Allan McComb, John McCrae, Lorne Hastings McCurdy, John William McDowell, Aubrey Thomas McFadden, Peter Lyddel McGavin, Allan F. Maclean, Donald Gordon MacLean, Donald Murdoch McLennan, George Gordon MacLennan, John Dewar McMurrich, William Gordon MacNevin, Charles Kenneth Macpherson, Ian Cameron Mallough, John Carr Newcombe, John Ferguson Palling, George Lewis Roberts Parrish, Murray Hume Paterson, Edgar William Patten, Charles Forest Patterson, Norman Howard Pawley, Howard Vincent Pickering, J. Potvin, Henry Charles Quail, Paul Hartly Raney, John Henry Ratz, David Alexander Robinson, Stanley Wallace Rosevear, Evan Ryrie, Edwin Francis Sanders, Douglas Gordon Scott, James Garnet Scott, Samuel Simpson Sharpe, Richard Langford Smith, Robert Scott Smith, Lorne Snyder, Kenneth Ian Somerville, Russell Wright Soper, Thomas Vincent Sparling, William Alexander Denison Sutterby, Aysceau Francis Robert William Swinnerton, Robert Edward Taylor, Henry Richard Thomson, John Archibald Treblicock, John William Tribble, George Elmer Wain, Hugh Jarman Watson, George Roy Weber, Thomas Baird Welch, Randolf Hadden Arnold West, Charles Herbert Wheelock, Harold Reid Wilkinson, Mark Webber Williams, William Taylor Willison, Jardine Turner Wilson, William Taylor Wilson, Frank Abbott Wood, William Jonathan Wright.

As in former years so in the past session the University was a centre of war activity. The Royal Air Force occupied most of the old School of Practical Science Building, portions of two other buildings for a part of the year, the examination hall in the rear of Convocation Hall, the three men's residences, the Dining Hall, and through the kindness of the Massey Estate a large portion of Hart House. They also used the back and front lawns for drilling. Space was also granted for the work of the Invalided Soldiers' Commission in the Chemistry and Mining Building and in the temporary gymnasium in which classes were conducted for wounded soldiers under the supervision of a Committee of the Faculty of Applied Science. The Hospital Supply Association continued their

Red Cross Work in the Library and Physics Buildings, and a room was used by the Secours National in the Biological Building.

Reference may be made to the work done at Hart House under the Military Hospitals' Commission by Dr. Bott of the University and others associated with him in the functional re-education of returned soldiers and in training persons to undertake this work throughout the Dominion. Private funds were secured to supplement the equipment provided by the Government, and in addition the University made a contribution for research on the Physiological and Psychological sides of the work. At the request of the Consultant Board of Military Hospitals Dr. McMurrich gave a course of lectures in the School of Massage and a further course to returned officers who are qualifying to take charge of Orthopaedic work. To the same class in Electro-therapy, Professor Burton gave twelve lecture demonstrations in Electricity and Magnetism.

At the request of the Admiralty the Board of Governors granted to Professor J. C. McLennan, F.R.S., O.B.E., leave of absence for the academic year that he might continue his researches and organising efforts particularly as regards mines and the submarine. Professors Burton and Satterly also were engaged in important work for the Admiralty under the direction of Professor McLennan. Professor Watson Bain has been appointed Chemical Adviser to the Canadian War Mission at Washington.

Miss Ryley, who has kept a general oversight of the service in the Dining Hall given to the Royal Air Force, has devoted most of her time to the direction of dietetic work in the hospitals throughout the Dominion under the supervision of the Invalided Soldiers' Commission. At their request she went to Washington to explain to the authorities in charge of American Hospitals the nature of the work that has been carried out in Canada.

The military units connected with the University continued to perform their duties very effectively. At the request of the Minister of Militia, the overseas Officers Training Depot raised a company for the First Canadian Tank Battalion which left for England in June. The 67th Battery of Artillery maintained its high character for efficiency and sent drafts overseas.

During the campaign for the Victory Loan in December, a special request was made to the students to undertake a share in canvassing. The committee reported that they secured 2,710 subscriptions amounting to $343,300. In response to the appeal for the British Red Cross in October the staff contributed $4,500 and the students $2,417. In January, for the Patriotic and Red Cross Fund the staff gave $9,950 and the students $1,700.

In November, the first edition of the Roll of Service was published under the editorship of Professor G. Oswald Smith. This will be followed by a second edition in a very short time.

Important proposals with regard to the constitution of the General Course in Arts were introduced into the Faculty Council and will probably result in beneficial changes being brought into force in 1919. It was decided to make the study of the German language and literature optional in all specialist courses except those in Chemistry which will require of students a reading knowledge of technical articles in German. Spanish has been introduced as a subject of the General Course. This language has grown rapidly in popularity, the enrolment in the pass course having risen from 21 in 1916-17 to 45 in 1917-18, and in the honour course of the first year from 10 in 1916-17 to 53 in 1917-18, which reflects an interest in Spanish that is universal on this continent.

For the first time a special fund was set apart by the Governors for Research. Investigations under this fund were conducted in the Faculties of Medicine and Applied Science, though owing to the many and quick calls for medical men to go overseas on military duty, problems undertaken were not finished. Among the most important investigations were those made in regard to physiological and pathological conditions connected with the functional re-education of returned soldiers in the Hart House.

In the Faculty of Applied Science a School of Engineering Research has been established in which extended investigations were conducted in problems of thermodynamics, hydraulics, strength of materials, mining, metallurgy, electricity and chemistry. To quote from the Report of the Secretary, "The results are of much interest and very considerable value not only to the several sciences concerned but to practical industry. Some ten papers embodying the results will be published. The work has aroused great interest and activity in research in the Faculty of Applied Science and has emphasized to the undergraduate the importance of investigation work. This is particularly desirable at this time when the country is awakening to the necessity for the universities to attack, more than they have done in the past, the problems relating to the raw materials and industries of the country. In addition this work has been inaugurated just when manufacturers are learning the advantage of employing in their laboratories and factories men trained in research methods, and just at a time when the Dominion Government seems about to build and equip a Bureau of Standards and a Research Institute for specific industries which will require many research men. This sudden demand for research men must be met by the University. One of the primary objects of the School of Engineering Research is the training of men for such work."

Graduate Fellowships were awarded to students from five other Canadian Universities, and there is no reason to doubt that on the conclusion of the war many more applications will be received for assistance in graduate work. This system of Fellowships should be perpetuated and enlarged if the University is to fulfil a national service in training highly qualified specialists for the Dominion.

On October 25th, 1917, His Excellency the Duke of Devonshire opened the Connaught Laboratories for the preparation of sera, antitoxins, and vaccines, and for investigations similar to those conducted in the Pasteur, Lister and Rockefeller Institutes. The Laboratories, which are splendidly equipped, the stables, and the accompanying farm of fifty-eight acres are the gift of Colonel A. E. Gooderham, who has devoted a great deal of care to the perfecting of this beneficent Institution. At the opening ceremony the Premier of the Province announced that the Government would make a grant of $75,000 for endowment of the laboratories, and to this amount $25,000 has been added making a total of $100,000, the proceeds of which are to be devoted to investigation of problems in preventive medicine, and to the endeavour to provide means whereby "the incidence of and the mortality from communicable diseases may be lessened." On the evening of the same day, Dr. Simon Flexner of the Rockefeller Institute of New York, addressed a large gathering in the Convocation Hall on "The War Activities of the Rockefeller Institute." The opening of these laboratories was one of the most important steps ever taken in the development of the public health of this Province.

A forward step taken during the year was the creation of a Faculty of Music, of which Dr. A. S. Vogt was appointed Dean, F. A. Mouré, Esq., lecturer in the History of Music and Organist of the University, Dr. Ham, lecturer in Church

Music, Healey Willan, Esq., lecturer in Theory of Music, and H. A. Fricker, Esq., lecturer in Choral and Orchestral Music. The establishment of this faculty is certain to result in the creation and maintenance of higher standards of music in the Province. This faculty will assume the conduct of the Local Examinations in Music which now have been in existence for eighteen years. The Senate has disaffiliated the three institutions which have hitherto been connected with the University.

For the sixth year organ recitals have been given under the direction of Mr. F. A. Mouré, though only nine out of the fifteen projected recitals took place on account of the closing of the Convocation Hall through shortage of coal. Mr. Mouré himself gave five and one each was given by Miss Helen Fotheringham, Mr. Richard Tattersall, Mr. A. E. Whitehead and Mr. Healey Willan.

Lectures open to the public were delivered by Dr. George Sarton, of the University of Ghent and Lowell Lecturer at Harvard University, on "The New Humanism," and "The Science and Civilization at the Time of Leonardo da Vinci," and by Professor T. Brailsford Robertson of the Department of Biochemistry and Pharmacology of the University of California, on "The Chemical Foundation of the Process of Growth in Living Organisms."

At the Commencement held on May 17, honorary degrees were conferred upon the Earl of Reading, Ambassador of Great Britain to the United States, and on Mr. Elihu Root, both on personal grounds and to signalize the fact that the two great sections of the English-speaking peoples are so closely united in the conduct of this war. Unfortunately, His Excellency the French Ambassador at Washington was unable to leave his duties to be present and receive his degree.

In addition to the gift of the Connaught Laboratories by Colonel A. E. Gooderham referred to previously, I have to record these notable benefactions to the University: Mrs. Warren has continued for the fourth year the payment of the salary of the Director of Social Service, and for the equipment of a library for the same department Miss McCormick contributed two thousand dollars; Sir Edmund Osler, Sir Joseph Flavelle and Colonel Leonard again have given four fellowships of $500 for postgraduate work, and the American Alumni Association their fellowship for the same amount; for special investigations in the Pathological Department under Dr. Detweiler, Sir Joseph Flavelle and Sir Edmund Osler have each contributed one thousand dollars; for work in Dental Research one thousand dollars has been given by the Canadian Oral Prophylactic Association; Dr. R. A. Reeve donated a prize to be awarded in the Faculty of Household Science in memory of his wife; two scholarships were also provided in the Department of History by Mr. Justice Riddell and W. D. Matthews, Esq., of the value of $200 and $100 respectively.

The first award was made at the May Convocation of the Bonne Entente Prize which was provided, as I said in my past report, by visitors from the Province of Quebec.

All of which is respectfully submitted.

R. A. Falconer,
President.

November 15th, 1918.

Appendix A.

(1) Report of the Principal of University College.
(2) Report of the Dean of the Faculty of Medicine.
(3) Report of the Dean of the Faculty of Applied Science.
(4) Report of the Dean of the Faculty of Forestry.
(5) Report of the Dean of the Faculty of Education.
(6) Report of the Librarian.
(7) Report on University Extension Work.
(8) Statement regarding the Biological Museum.
(9) Statement regarding the Geological Museum.
(10) Statement regarding the Palæontological Museum.
(11) Statement regarding the Mineralogical Museum.
(12) Report of the Director of the Antitoxin Laboratory.
(13) Report of the Director of the Courses in Social Service.
(14) Report of the Physical Director.
(15) Report of the Superintendent of the Dining Hall.

(1) Report of the Principal of University College (Professor Hutton).

The Latin department of University College has sustained since my last report two blows, one foreseen; the second, which was the first in time, quite unexpected.

Dr. G. W. Johnston, Associate Professor, died in May last, after a short illness; he was never a man of very robust health, but it is only too probable that he hastened the attack to which he succumbed by the unsparing devotion with which he filled up from November to May the gaps left in the work of teaching Latin by the longer illness of his chief, Professor Fletcher.

It was always his wont to take any extra work that was going and to spare his colleagues: he was overworked therefore last spring beyond the degree of overwork to which he had accustomed himself. His death came as a shock to his colleagues in the department not unattended with a certain compunction, that they had not interfered sooner with a worker whose spirit was always too willing and eager for the weak flesh.

The sorrow of his colleagues has been equalled, to say the least, by that of his pupils; no man knew his individual pupils better, though Professor Fletcher knew them not less well; no man took a livelier personal interest in his pupils or passed judgment more indulgent or kindly on them.

Professor John Fletcher was ill for some eight months; it was characteristic of him that he continued his lectures in the college till he was found one morning in a faint at his door. He never really recovered, and after a few months in Florida which did not help him, returned to Toronto in May in time to attend the funeral of his friend and colleague of the same department; he lingered on until July.

His was "the open door," one of his pupils had written: the room whither each of them could always resort for unfailing sympathy and help: his heart was especially with "the weaker brethren" (and sisters) whom the haste and poor workmanship, or rather the overcrowded programme of our school systems, launches upon the university, viz., ill-equipped with the rudiments of Latin. Their foundations have well nigh slipped, and it is all even a sympathetic teacher like our

late colleague can do to keep any heart in them. He took extra work upon him at all times for such persons, and fully earned the grateful response they gave him. For the sake of such work he was content to abjure functions and public occasions and limelight of any kind: ἔλαθε βιώσας to the public, and is on that account all the better remembered and more constantly missed by many students. Some of his best classical men were prompted to unusual efforts of academic elegy in order to fitly express their sense of what he had meant for them: few let his death pass wholly in silence: but his death after all was as he wished it: he would have hated a long and lingering emeritus professorship: he wanted to die in harness, he was only out of harness for eight months.

We have carried on without Dr. Johnston and Professor Fletcher during the present session by means of the appointment of W. A. D. Woodhead, of the Universities of Oxford and Alberta.

As the war continues the classes necessarily continue small, and the majority of the women students over the men goes on increasing.

We have introduced one small modification of the occasional student system. Such students have hitherto been treated separately, but this year it was suggested to us by St. Michael's College that if we could open some of our classical classes to their students they would prefer to send them to us formally and officially as students sent by one college (for certain subjects) to another and to pay as a college the fees involved; accordingly we are dealing with St. Michael's itself in these cases and not with the students as individuals. The change is in all respects reasonable and along the lines followed for years past by the colleges of Oxford and Cambridge.

For the first time, this Christmas the college sent the season's greeting officially to all our enlisted men who still survive to receive them: over nine hundred in number. Many answers have been received indicating that the trenches, though very cheery and very busy, were not too busy or cheerful to be indifferent to the old associations of University College. Some of them seemed to appreciate those associations with a sharper zest since they had passed into the realities of the firing line. The realities had not disenchanted them with the ghostlier life of the spirit and of their University and College.

I append the last figures of our numbers:—

UNIVERSITY COLLEGE.

March 1, 1917—	Men.	Women.	Total.
1st Year	96	98	194
2nd Year	85	91	176
3rd Year	51	80	131
4th Year	27	22	49
Occasionals	27	22	49
	300	371	671

Percentage of women 55 2/7

March 1, 1918—	Men.	Women.	Total.
1st Year	126	123	249
2nd Year	49	82	131
3rd Year	47	95	142
4th Year	37	79	116
Occasionals	35	25	60
	294	404	698

Percentage of women 57 6/7

(2) Report of the Dean of the Faculty of Medicine (C. K. Clarke, M.D.).

The affairs of the Faculty of Medicine have been carried on during the past year under very great difficulties, owing to the fact that so many of our staff have gone on military service overseas. This has thrown a heavy burden on those who have been forced to remain, in many instances very much against their will. Those who have undertaken this burden have done so with credit to themselves, and we are under a deep debt of gratitude to them, because they have not escaped criticism by those thoughtless people who believe that the only way of doing their bit is by going overseas. The education of the medical undergraduates is a most important thing from a military standpoint, and all of the staff have recognised their duty.

While it is true that conscription has depleted many of the classes, and the last call has imposed on us a situation that may prove serious if the war is continued for any length of time, many of the men, in the Third Year particularly, enlisted as surgeon-probationers in the Royal Navy, and every branch of the Service has been recruited from the undergraduates. The Third Year has been more affected than any other, but the First Year, which is the largest since 1908, has not suffered to the same extent as some of the others, as so few of those registering have been of military age.

One of the striking facts in connection with the Faculty of Medicine is that women have come to us in large numbers. In 1910 but one woman registered in the first year, and only eleven all told in attendance at that time. This session no less than twenty women entered the First Year, and there was a total attendance of fifty-one women. This is owing largely to the fact that until quite recently other institutions had closed their doors to these students. Under the circumstances it seems almost imperative that some arrangement should be made by the university authorities by which these women can secure the same privileges accorded to women in other Faculties. That is: the building or purchase of a suitable house which may be used as a residence. The arguments in favour of this are numerous and self-evident.

The session was opened for Fifth Year men on August 15th, in order that the students might be ready for military service in the early spring. This arrangement was of great value, enabling the A.D.M.S., of Military District No. 2, to send a draft of A.M.C. men overseas in March.

Five leading members of our already depleted staff left for overseas during the year:—Dr. Goldie, Dr. Roscoe Graham, Dr. W. A. Scott, Dr. A. S. Moorhead, and Dr. W. E. Gallie.

Professor A. B. Macallum, who has been associated with the Medical Faculty as Professor of Physiology and Biochemistry, has severed his connection with the Faculty, much to the regret of all those who are familiar with the distinguished services he has given to the University of Toronto. His name has added lustre to the institution, and possibly no one is better known abroad than Professor Macallum. He took the most intense interest in the affairs of the university, and was respected and admired by all who knew him well. We congratulate him on his appointment to the position of Chairman of the Advisory Council for Scientific and Industrial Research, which will benefit greatly by its association with one as distinguished as he.

It was found a difficult matter to fill the place of Professor Brodie in Physiology, but fortunately we were able to secure the services of Dr. Winifred

Cullis, D.Sc., who not only filled the position with distinction, but proved to be an inspiration to all of the students who came in contact with her. She was an admirable teacher, and her personal influence with the students was a marked feature of her stay with us.

The University is to be congratulated on the success attending its efforts to find suitable men to fill the positions of Professor of Physiology and Biochemistry. Dr. McLeod and Professor T. Brailsford Robertson come to us with records of unusual achievement, and will no doubt develop their departments in a way that will reflect credit on themselves and the University.

As has been the case during the progress of the war we have again to record the loss of many of our distinguished graduates and students, and the death of Dr. John McCrae has particularly impressed both the public and the professional men.

(3) Report of the Dean of the Faculty of Applied Science and Engineering (Dr. W. H. Ellis).

The number of students registered in the Faculty in 1917-18 was 164, distributed as shown by the following table:—

First Year Undergraduates	72
Second Year Undergraduates	39
Third Year Undergraduates	29
Fourth Year Undergraduates	24
	164

In September, 1917, Prof. H. E. T. Haultain, of this Faculty, was appointed Vocational Officer for Ontario under the Military Hospitals' Commission, now known as the Invalided Soldiers' Commission. Prof. Haultain appealed to the Council of the Faculty of Applied Science for assistance in carrying out classes for the vocational re-education of returned soldiers, and in response to this appeal classes for the training of teachers of bedside and ward occupation for returned soldiers were formed. The aim of the work is partly therapeutic, but also is closely related to preparation for a vocation, and hence the classes are called classes in Occupational Therapy. The intention is to provide instruction for women who will teach invalided soldiers in the hospitals the subjects contained in the following groups: metal work, woodwork, toy making, hand loom weaving, block printing and stencilling, basketry, beadwork and embroidery, bookbinding and leather work. The courses so far have been six weeks in duration. It is realized that a much longer course would be desirable and a plan for a six months' course has been drawn up, but on account of the great need for hospital workers only the shorter courses have so far been actually carried out.

The organization of these classes was begun under a Committee of Management of which Prof. C. H. C. Wright was chairman and Prof. Arkley the secretary. Prof. Price, who is also a member of this committee, has done invaluable service in the organization and carrying on of the business connected with these classes.

The first instructor employed in these classes was Miss Brainerd. Mr. Banks and Mr. Jeffreys also gave instruction to the classes at the beginning in Modelling and Drawing. At present the classes are under the charge of Mr. J. W. Chester, as chief instructor, assisted by Miss Wathen, Miss Scott, and Mr. Paton. Up to

the present 135 have been placed as bedside teachers in hospitals, and of their efficiency very gratifying reports have been received.

Classes for the industrial instruction of invalided soldiers whose disabilities prevented their resuming their former vocations have also been organized and inaugurated. Courses in the "Management of Gasoline and Oil Tractors for Agricultural Work," "Automobile Repairs and Operation," "Estimating for Building and Construction," "Electricity in Relation to Electrical Machinery," "Machine Shop Drawing" in co-operation with shop training by the Russell Motor Car Co. are at present under way, and others will be started in the near future. A number of returned soldiers have already been enabled by means of these classes to take good positions in such work. The University and the Athletic Association have very kindly permitted the Faculty of Applied Science to occupy the temporary gymnasium for work on farm tractors and automobile mechanics. In the eastern wing of the Mining Building a new floor is being laid to accommodate Occupational Therapy and some vocational classes for soldiers. It is intended to continue this necessary work during the coming session in combination with the regular teaching and research work of the Faculty. The members of the Faculty of Applied Science and Engineering who are instructors in this work are as follows:—Messrs. Arkley, Guest, Margison, Price, Watson, and Zimmer.

The establishment of a School of Engineering Research within the Faculty of Applied Science and Engineering of the University of Toronto was recommended by the Council of the Faculty of Applied Science in the spring of 1917. Funds were provided by a vote of $5,000.00 for the first year by the Board of Governors of the University. The school is under the direct supervision of a Committee of Management composed of fifteen members drawn from the Faculty Council. To this Committee is entrusted the selection of researches proposed by members of the staff, and the disposition of funds for conducting them. During the present academic year two research assistants have been engaged on investigation work, one in Electrical Engineering and one in Applied Chemistry. Six other members of the staff are also at work upon research problems.

The School of Engineering Research was organized with the primary aim of training men for research positions in industries, and in research laboratories of the Mellon Institute type which are about to be established in Canada. Both of these will require a steadily increasing supply of men who can either conduct research work, or carry out such work under direction. This implies among other things the performance of research in the school. In the selection of problems the Committee of Management has followed the practice of the old and established university research laboratories of the world in recognizing the necessity of encouraging the two kinds of investigation, namely, the specific problem relating to a specific industry or raw material and having a specific end in view, and the general problem which seeks for some underlying principle of generalization.

The following is a general summary of the results obtained:—

Prof. Angus.

A series of tests was carried out to determine the strength of cast iron in bending for purposes of machine design. A large number of specimens of various sizes and shapes were tested. The results will appear in two leading American journals in June.

A research was conducted on the flow of water in open channels with the object of determining the coefficient of friction and finding the surges in them for unsteady flow. This work is still in progress.

A tunnel was prepared for aeroplane testing, but no work can be done till the balance arrives from England.

Experimental work was done on a large turbo-generator and on turbine pumps at the Island filtration plant.

Prof. Arkley.

An investigation was conducted to compare the coefficients of heat transfer through walls made of different building materials. The results of some twenty-five tests, with sketches of apparatus used in making them, and the deductions to be drawn therefrom will be published shortly, and will contain information which should be of special interest to heating engineers and architects.

Prof. Gillespie.

This investigation was undertaken by the City Architect's Department, Toronto, and the Department of Applied Mechanics, University of Toronto, in order to throw some light on the behaviour of reinforced concrete construction in factory buildings under the conditions of service. Six buildings have been tested. Selected floors were loaded in a predetermined manner and precise extensometer measurements were made. It is hoped from the results to check the reasonableness of the existing regulations governing the design of such buildings and to suggest changes therein. This work will be published shortly.

Prof. Anderson.

An apparatus was devised to locate the causes of vibrations in buildings and measure their amounts.

Prof. Haultain.

A simple method has been devised for the separation of graphite from mica, which has been hitherto the chief difficulty in the treatment of the low grade graphite ores which are abundant in Ontario and Quebec. Other milling details of these low grade ores were studied. An assay method for graphite was worked out which on account of its simplicity is suitable for use in the concentrating mills.

A new electrolytic apparatus has been devised for the assay of copper and lead ores which simplifies the usual manipulation and eliminates some of the defects hitherto found in such apparatus.

Prof. Rosebrugh and Prof. Price.

This research is the first of a series undertaken on electrical problems affecting design and operation in the distribution system of the Hydro-Electric Power Commission of Ontario. The first problem attacked involved a thorough study of current transformers employed to operate 110,000 volt oil switches for controlling and protecting the transmission lines and branches. Most interesting and unexpected facts have been brought to light. A paper based on the work is now being prepared which will contain complete technical information on methods, results, and conclu-

sions. As to the monetary bearing of this work, it may be reported confidentially that the Hydro engineers have welcomed our work and state that as a direct result of it they have decided positively against the purchase of thirty-six proposed current transformers, and are proposing proper alternatives affecting 110,000 volt switching apparatus worth some hundreds of thousands of dollars.

Prof. Price and Prof. Stewart.

The object of this research is to produce a new form of seconds pendulum clock which, when once adjusted, will maintain its rate for many years without attention. The mechanism is electrically operated and avoids the use of escapement. Great difficulty was experienced under war conditions in obtaining the necessary materials. It is hoped to complete and prove the clock during the next year. The proving of it involves a large amount of astronomical work. This work has pointed the way to quantitatively evaluating sources of errors in clocks, which errors have been previously examined relatively crudely.

Prof. Boswell.

In the course of an investigation of the conditions under which silicic acid and ferric hydroxide gels catalyse certain reactions it was found necessary to measure the amount of adsorption of arsenious acid from solutions of increasing concentration and the effect upon this adsorption of sodium hydroxide solutions. The adsorption curves have been constructed and an interpretation given to the constants of the exponential equations of the curves. This work will be published shortly.

A second investigation has to do with the mechanism of fusion reactions between the caustic alkalis and various organic compounds, particularly phenols and sulphonic acids. The course of the chemical changes in these reactions was determined and the causes of low yield of product fixed. It was found possible to increase the yield of carbolic acid in the commercial process of manufacture by ten per cent. and thus make the yield almost quantitative. In view of the large industrial application of caustic alkali fusions in organic chemical industry, as in the manufacture of carbolic acid, alizarin and indigo, this work should be of interest and value. A new general reaction taking place in such fusions was discovered. This work will be published shortly.

A third investigation was conducted with the object of determining the state of an electrolyte in solution at various stages of concentration. This is directly connected with the problems of adsorption and catalysis, and are fundamental to the basic problems of plant growth. The experiments gave the information expected of them and indicated the direction further work must take. This is proceeding. The results so far as obtained will be published shortly.

It thus appears that the School of Engineering Research in the year of its inauguration has performed research work giving results of much interest and very considerable value not only to the several sciences concerned but to practical industry. Some ten papers embodying the results will be published in various engineering and research journals throughout America, as well as in a bulletin which the committee of management proposes to publish. In view of the fact that this is the first year of operation of the School of Engineering Research the work actually accomplished is considerably greater than might reasonably be expected, and justifies, I think, completely the expenditure made by the University. The

actual results obtained will, no doubt, increase year by year. The work has aroused great interest and activity in research in the Faculty of Applied Science, and has emphasized to the undergraduate the importance of investigation work. This is particularly desirable at this time when the country is awakening to the necessity for the universities to attack more than they have done in the past the problems relating to the raw materials and industries of the country. In addition, the school has been inaugurated just when manufacturers are learning the advantage of employing in their laboratories and factories men trained in research methods, and just at a time when the Government is about to build and equip a Bureau of Standards and a Research Institute for specific industries which will require many research men. This sudden demand for research men must be met by the University. One of the primary objects of the School of Engineering Research is the training of men for such work. However, to adequately meet the demand it is necessary to greatly increase the number of research assistants and the amount of the grant.

It is extremely desirable that as soon as possible plans may be decided upon for the accommodation of the Departments of Electrical Engineering, Strength of Materials and Architecture, which were formerly housed in the old Engineering Building. I beg also to once more call attention to the need of a laboratory for technical chemistry on a larger scale than anything we at present possess, and in consideration of the importance of the clay industries of this province I would again urge the desirability of a ceramic laboratory.

During the past year, in addition to the loss of the services of the instructors who have been employed on military service overseas and elsewhere, the school has been deprived of the valuable services of Professor Bain, who has been appointed chemical adviser to the Canadian War Mission at Washington. Professor Bain's appointment to this responsible position is an honour both to himself and the University. It has of course thrown much additional work and responsibilities upon the remaining members of the staff in Applied Chemistry—Professors Ardagh and Boswell and Mr. Rogers.

(4) Report of the Dean of the Faculty of Forestry (Dr. B. E. Fernow).

The registration of students for the session came up to the same number as the two previous years, namely ten, four newcomers making up for the number lost by graduation or otherwise.

At the end of the session two of the First Year men, having attained the mliitary age, enlisted before finishing their year's work.

From the small contingent of graduates and undergraduates who had not yet completed their course 80 are enlisted, 31 being graduates. Of these 80, one has attained to the position of major, five to that of captain, and 43 to that of lieutenant. Only 13 are to be found in forestry battalions, 12 have given their life for their country, 18 have been wounded, gassed, or otherwise incapacitated, and two are prisoners at present writing. Six have been decorated with military cross or medal, and three mentioned for bravery.

In the absence of Professor Millar, enlisted as a captain in an American Forestry Regiment, the Dean and Dr. Howe added three of his courses to their own work. Professor White, having accepted a position in the provincial forest service, by arrangement with the authorities, was permitted to carry on his former lecture work.

It is to the credit of the Faculty that every year during the summer months the Commission of Conservation has employed members of the Faculty to carry on important investigation work, in which also some of the students are given opportunity to participate. An extensive investigation into what becomes of the cut-over pulpwood lands was started last summer by Dr. Howe, and is to be continued during the present season.

It may also be of interest to record that with the year 1917 the *Forestry Quarterly,* which was for some time published with the assistance of the University, was amalgamated with the Proceedings of the Society of American Foresters into the *Journal of Forestry,* the Dean becoming the permanent editor of this, the only technical forestry journal on this continent.

(5) Report of the Dean of the Faculty of Education (Dr. Wm. Pakenham).

It is to be noted that while the total registration in the Faculty of Education has changed but little since the war began, the personnel of the student body has changed much. The number of graduates in Arts has fallen by almost 40 per cent., and the number of men students by about 45 per cent. It is not likely that the movement of men away from the teaching profession will cease after the war, but if the recent legislation which limited High School teaching posts to Graduates in Arts is to achieve satisfactory results, there must be a marked increase in the registration of graduates. The appearance of 26 students in the courses for degrees in Pedagogy is worthy of note. There is promise in this interest in the advanced study of education.

The women students are now in possession of their new waiting and rest rooms. The results are quite satisfactory. When the gymnasium and lecture-rooms are added, the accommodations for students will approximate what was planned when the present buildings were erected.

(6) Report of the Librarian (H. H. Langton, Esq., M.A.).

The number of volumes added to the Library during the year ending June 30, 1918, is 3,364, and the number of pamphlets 630, making the total contents of the library 151,799 bound volumes and 50,926 pamphlets.

Statistics of the use of the Library by students, with comparisons for the two previous years are as follows:—

	1915–16	1916–17	1917–18
No. of day tickets used	28,014	18,728	21,203
No. of books taken out for the night	12,006	9,446	9,698
Average number of students at any one time	67	49	48

In consequence of the falling off in the number of student readers, it was found possible to accommodate the readers in one reading-room, and thus to give the University Hospital Supply Association a much-needed additional workroom in the other student reading-room. It will probably be possible to continue this arrangement until the end of the war.

Purchases of books have been proceeding during the year under difficulties, owing partly to the impossibility of obtaining shipments from Europe. Books, however, have been bought and are being stored for the library in the respective countries.

During the year leave of absence for National Service purposes was given to two members of the library staff, who supplied substitutes for their library duties.

(7) Report of the Committee on University Extension Teachers' Courses (Professor A. T. DeLury, Acting Director.)

Teachers' Classes.

As part of the course leading to the degree of Bachelor of Arts for teachers and others who are unable to attend the lectures of the regular session, classes were held during the winter from October 1st to the time of the examinations. These classes met four afternoons a week and on Saturday mornings. The subjects offered were Second Year English, French and Physics and Third Year English, Political Economy, and Chemistry. The enrolment was 29, an increase of 7 over last year. Of these, 10 were new students. One student gave up the work; 25 were recommended for examination in April.

Summer Session and Correspondence Work.

The number in attendance at the Summer Session of 1917 was 17, and the number taking correspondence work during the regular academic terms was 19. These numbers are somewhat smaller than those of the preceding year, and smaller also than the numbers enrolled in the Teachers' Classes. The experience of the past two years would seem to indicate that the teachers who attend the Summer Session and take the complementary correspondence work weaken under the continuous demand on their time. Those taking the Teachers' Classes have their summers free. Further, under the existing schedule of fees, the teacher who takes the work of the Summer Session has to pay in fees $94.00 for the work of the Second Year and $83.00 for the work of the Third Year, while the corresponding fees of those taking the Teachers' Classes was $52.00 in each year.

As the residences for men were occupied by the Royal Flying Corps, it was possible during the Summer Session of 1917 to offer accommodation only to women students. The rooms in the Queen's Hall Residences, numbers 7, 9, and 4, Queen's Park, were all taken, and meals for all women students in residence were furnished in the main dining-room.

The courses which have been given during the Summer Session by the Department of Education in co-operation with the University of Toronto were directly under the control of the Department of Education. As the connection with the University was merely nominal, the report of these Summer Courses is not included in this report.

Of the 19 enrolled in Second and Third Year Correspondence Work, 10 were enrolled for the first time. Pressure of school work made it necessary for three of these to withdraw. The remaining students sent in work regularly from the beginning of October to the end of March. There were 311 bulletins sent out to these students, and 384 exercises were received from them. The reports from the instructors who examined the correspondence work indicate that the essays and other exercises for the most part were satisfactory, not a few of them affording evidence of marked ability and originality.

Up to the present, 73 students have enrolled in the course; of these, two have transferred to the regular course, several have enrolled as occasional students, but many others have given up the work for the reasons stated above. The present enrolment, including the Summer Session, Correspondence Course, and Teachers' Classes is 56.

In addition to those enrolled in Second and Third Year Correspondence Work, there were 21 preparing for the Summer Session in Faculty Entrance, 16 in Normal Entrance, and 2 in Commercial subjects. A total of 793 bulletins have been sent out and over 572 exercises have been returned.

To bring the Summer Courses to the attention of the teachers, a circular was sent in the spring to each teacher in the Province, briefly announcing the Course in Arts and the Advanced Courses in Education. The replies to these circulars seem to indicate that there are a great many interested.

Local Lectures.

Early in September, a new list of lectures was prepared and sent to those organizations that had been interested. Up to the present, 43 lectures have been arranged, many in series of 6 to 10 lectures, and all of them outside Toronto. The audiences, as before, were Canadian Clubs, Teachers' and Women's Institutes, Reading Circles, Scientific and Church organizations. Stress of work and the uncertainty of train service have made it difficult this year for lecturers to accept invitations.

(8) Statement Regarding the Biological Museum (Professor B. A. Bensley).

In the course of the year re-arrangement and classification of specimens incident to the transfer of part of the collections of the Royal Ontario Museum of Zoology have been completed, and a card-catalogue, covering the vertebrate classes and the mollusca, has been prepared. The taxidermist service has been organized, so that material received can now be mounted for exhibition which was formerly stored. A series of coloured casts of Canadian fishes is in course of preparation, and will be made a distinctive feature of the Museum. A considerable number of specimens have been received from Lake Nipigon by arrangement with the Provincial Government.

The following donations have been received:—

An adult shell and young mounted specimen of the green sea-turtle from Ascension Island, presented by the late Mrs. E. H. Keating, Toronto.

A bison skull, presented by Mr. Geo. W. Meyer, Toronto.

Specimens of weasel, mole, and small-striped skunk, presented by Mr. Geo. H. Corsan, University of Toronto.

A valuable collection of mounted birds of Alberta, formerly deposited and now presented by Mr. M. J. Haney, Toronto.

The "Tregarthan Collection," consisting of horns of typical African antelopes and other valuable natural history objects, presented by Trinity University, through Provost T. C. Macklem.

Skulls of tiger and babirusa, presented by Dr. and Mrs. Alexander Bowie, Toronto, formerly of Straits Settlements, Singapore.

Two mounted specimens of hooded merganser, presented by Mr. Alfred Kay, Port Sydney, Ont.

A wood-duck, presented by the late Col. Geo. A. Sweny, Toronto.

A swan, presented by Mr. H. R. Winter, Toronto.

A bison skull, presented by Mr. Sidney Green, Bright, Ont.

A walrus skull, presented by Sir William MacKenzie, Toronto.

Specimens of opossum, golden pheasant, Canada goose, civet cat, beaver, crane, and Japanese deer, from Riverdale Zoological Gardens and High Park, presented by the City of Toronto.

(9) Statement Regarding the Geological Museum (Professor A. P. Coleman).

The chief work done in the gallery during the past year was the installation of a wall case devoted to the display of copper and silver ores. A new wall case has also been placed in position; it is proposed to extend to this case the large collection of polished slabs of marbles and granites which had been added to during the year.

The large concretion presented by Professor Parsons has been mounted, and a number of framed photographs of the Rocky Mountains have been placed on the walls.

The chief acquisitions during the year were:—

By Donation:

Manganese ores.—A. J. Curle, Esq., per Dr. Walker.

Native gold from Clearwater Lake, Manitoba.—Mr. J. S. DeLury, per Mr. MacLean.

Edmonton lignite—Drumheller Land Co., per Dr. Parks.

Lignite, bricks, economic clays, etc.—Estevan Brick and Coal Co., per Dr. Parks.

Michigan copper ores.—Dr. W. J. Going, per Rev. A. H. Going, Lindsay, Ont.

Large concretion from Port Arthur.—Mr. J. F. Hewittson, per Professor Parsons.

Clay concretion from Toronto.—Mr. Dillon Mills, Toronto.

Sphalerite from Chimnet mine, Ontario.—Mr. Mollins.

Molybdenite from Hastings county.—Senator Richardson, Kingston, per Dr. Parks.

Ferremolybdenum.—Tivani Company, Belleville, per Dr. Parks.

Coals and rock specimens from Edmonton.—Twin City Coal Co., per Dr. Parks.

Syenite from Marmora and Coutchiching sandstone.—Dr. T. L. Walker.

Elk conglomerate from Fernie.—Dr. T. L. Walker.

Large photographs of the Rocky Mountains.—Hon. Charles D. Walcott, Washington.

Photographs of the Canadian Rockies.—J. Wheeler, per Professor Coleman.

Full series of the geological publications of the University of California.—Univ. of California.

By Collection:

Tillites and striated stones and copper ores from South America.—Professor Coleman.

Coals rocks, economic clays from Alberta and Saskatchewan.—Professor Parks.

By Purchase:

Series of polished slabs of marbles and granites.

Semi-precious stones.

Decorative slabs of californite and other substances.
Antimony ores.

(10) Statement Regarding the Palæontological Museum (Professor W. A. Parks).

During the year the series of wall cases in the east gallery was extended by two sections; the first of these has been filled with representative Canadian material to the close of the Onondaga period; the second case will extend this purely Canadian set through the Cretaceous period.

The Director spent ten weeks of the summer of 1917 in collecting Cretaceous and Tertiary fossils in Western Canada. A very large series was obtained which will be of great value in filling gaps in our hitherto rather weak representation of western fossils, also, for purposes of exchange, to which part of the material has already been devoted.

Laboratory work during the winter has been directed more particularly to the preparation of vertebrate material. All the dinosaur bones, collected some years ago by Mr. MacLean have been put in good condition and a number of them mounted in a case in the gallery. The remains of a mastodon, obtained by purchase several years ago, have been partially restored; it is found that we have most of the cranium, nineteen ribs, one very perfect scapula, nearly all the pelvic girdle, a number of vertebræ, the bones of one foot and parts of others, one tusk, and some old fragments. It is proposed to mount the skeleton as it stands, in the hope that the leg bones of at least one side may be obtained from some other source.

It was found during the winter that the changes in humidity were causing serious disintegration of the mammoth tusks and other objects of a like kind in the gallery. These were taken down and repaired; it is hoped that the treatment of boiling in paraffine which they have received will arrest the progress of decay.

The more important acquisitions during the year were as follows:—

By Donation:

Carboniferous fossils from Newfoundland.—Mr. J. B. Tyrrell, Toronto.

Fossils from Lyme Regis, England.—Professor T. L. Walker.

Huronia and Lyellia from Manitoulin Island.—Dept. of Zoology.

Inoceramus sagensis—Mr. Pierce, Rocke Percée, Saskatchewan, per Dr. Parks.

Valuable series of books and photographs.—American Museum of Natural History, New York.

By Exchange:

Series of Chemung fossils.—Professor G. D. Harris, Cornell University.

By Collection:

Large series of Cretaceous and Tertiary fossils from Western Canada.—Professor Parks.

Mesozoic fossils from South America.—Professor Coleman.

By Purchase:

Rare cystids, crinoids, trilobites, and other fossils.—Ward's Natural Science Establishment, Rochester, N.Y.

(11) Statement Regarding the Mineralogical Museum (Professor T. L. Walker.)

The collections of the University of the Royal Ontario Museum of Mineralogy have been enlarged during the year by donations and exchanges.

The following lists contain the names of our chief benefactors:—

By Exchange:

Kawasaki, S., Government General of Chosen, Korea.
Ward's Natural Science Establishment, Rochester, N.Y.

By Donation:

Alcock, Dr. F. J., Yale University, New Haven, Conn.
Alexander, Capt. J., Carcross, Y.T.
Bradley, W. W., Golden, B.C.
Coleman, Dr. A. P., University of Toronto.
Corless, C. V., Coniston, Ontario.
Curle, A. J., Kaslo, B.A.
Drum Lummon Copper Mines, Vancouver, B.C.
Electric Point Mining Co., Cummins, Washington.
Faull, Dr. J. H., University of Toronto.
Hess, F. L., U.S. Geological Survey, Washington, D.C.
Hewitson, J. F., Port Arthur.
Knight, C. W., Ontario Bureau of Mines, Toronto.
Melville, W. B., Sault Ste. Marie.
Miller, Dr. W. G., Ontario Bureau of Mines, Toronto.
Parks, Dr. W. A., University of Toronto.
Parsons, Professor A. L., University of Toronto.
Thomson, J. E., University of Toronto.
Tregarthen, C., Kimberley, South Africa.
Wells, J. D., Usk, B.C.

(12) Report of the Director of the Connaught and Antitoxin Laboratories (Dr. J. G. Fitzgerald).

The work of the year in these laboratories has been of a highly varied character.

The routine production of public health biological products for distribution by Provincial and local Boards of Health has increased greatly in amount. The Provincial Board of Health of Ontario has continued to obtain from this Department all the products required for free distribution in Ontario. The Bureau of Health of Saskatchewan has begun the free distribution of diphtheria antitoxin and smallpox vaccine in that Province. This laboratory furnishes the antitoxin and vaccine so supplied. The Provinces of Nova Scotia, New Brunswick, and Alberta also obtain from this Department antitoxins and vaccines, but in none of these Provinces is there general free distribution as in Ontario and Saskatchewan. Municipal Boards of Health in Quebec, Manitoba, British Columbia, and the colony of Newfoundland obtain from these laboratories serums and vaccines. The needs of the Department of Militia and Defence have been met and certain overseas requirements also.

With the presentation and formal opening of the new Connaught Laboratories the name of this Department will in future be the Connaught and Antitoxin Laboratories. The opening is described as follows in the *University Monthly* for November, 1917:—

"The Connaught Laboratories and the fifty acre farm which Colonel Albert Gooderham has so generously provided in order that the preparation of serums and vaccines may be carried on, were formally presented to the University by Colonel Gooderham on October 25th, and at the same time officially opened by His Excellency the Governor-General.

The occasion was an unusual one, and was especially significant in that the establishment of the first research foundation in Preventive Medicine was announced by Sir William Hearst. On behalf of the Provincial Government, the Premier stated that seventy-five thousand dollars was to be voted at the next session of the legislature to endow research in Preventive Medicine in the new laboratories, the income from which will be devoted entirely to research, since the laboratories themselves are entirely self-supporting. It was announced that a sum of approximately twenty-five thousand dollars from another source is available, and the income derived from this, too, will be used for the same purpose. Thus the foundation at the outset amounts to about one hundred thousand dollars.

Research work will be undertaken to endeavour to provide means whereby the incidence of and the mortality from communicable diseases may be lessened. The work at present being done on similar foundations at the Pasteur Institute in Paris, the Lister Institute in London, and the Rockefeller Institute in New York will serve as a model.

The opening itself was a very simple ceremony. The presentation speech by Colonel Gooderham, acceptance on behalf of the University by Sir Edmund Walker, the speech of His Excellency declaring the laboratories open, the important announcement of Sir William Hearst and a word from President Falconer, constituted the programme of the formal part of the opening. Subsequently a moving-picture film was shown, illustrating phases of the work carried on in the laboratories, this was followed by a tour of inspection of the buildings, where various products of the department were shown, and finally tea was served. Adequate transportation and other facilities were provided. The guests included, in addition to those already mentioned, His Honour the Lieutenant-Governor, members of the Provincial Government, the Board of Governors, the Bishop of Toronto, representatives of neighbouring universities, representatives also of various interested Government departments, both Federal and Provincial, members of the medical profession of the staff of the University, and friends generally of the new laboratories.

In the evening in Convocation Hall, before a very distinguished gathering, Dr. Simon Flexner, Director of the Rockefeller Institute for Medical Research, New York, delivered an extremely interesting and able lecture on the War Activities of the Rockefeller Institute. Dr. Flexner pointed out some of the important contributions to science which members of the Institute have made, and are making, having especially in mind those of very great value in war-work in the saving of lives and in the minimising of resultant disabilities. The University was extremely fortunate in having Dr. Flexner on this occasion as a lecturer. A very hearty vote of thanks to the speaker of the evening was moved by Dr. C. K. Clarke and seconded by Major J. G. Fitzgerald."

There has been established in connection with the laboratories an Honorary Advisory Committee on Scientific Work, the following gentlemen have accepted membership on this committee:—

1. Dr. W. H. Hattie, Halifax, for Nova Scotia.
2. Dr. E. P. Lachapelle, Montreal, for Quebec.
3. Dr. J. W. S. McCullough, Toronto, for Ontario.
4. Dr. Gordon Bell, Winnipeg, for Manitoba.
5. Dr. H. D. Johnston, Charlottetown, for P.E.I.
6. Dr. T. J. Norman, Edmonton, for Alberta.
7. Dr. H. E. Young, Victoria, for British Columbia.

It is anticipated that public health problems which may arise in any Province of a character such that investigational work bearing on them might be done in the Connaught Laboratories will engage the attention of this committee.

Research work of value from a military standpoint has already been started and the first appointment in connection with the Connaught Laboratories Research Fund has been made. The Board of Governors have had Captain A. H. Caulfeild, C.A.M.C., recalled from France to carry on research work bearing on the preparation of antitoxin for gas-bacillus infection of war-wounds. Captain Caulfeild has been appointed a Research Associate in the Laboratory. The researches made in the Laboratory will consist entirely of work on war problems until the cessation of hostilities.

A number of publications by members of the staff of the Laboratory have appeared during 1917-18, and are included in the report of the work of the Department of Hygiene for the current academic year.

The Director of the Laboratories is under a great obligation to the members of the staff because of the very hearty support accorded him in the work during the past year.

(13) Report of the Director of the Department of Social Service (Dr. Franklin Johnson).

In preparing the report of the Department of Social Service for the year 1917-18, the last report which the present Director will make before retiring to enter the war service of the American Government, the most marked feature to mention is the institution of a Second Year Course. This had been contemplated for some time and was offered for this year. Although attendance was limited to those who had taken the first year work of this Department, or equivalent work elsewhere, yet there were three students who successfully completed the work and were awarded the diploma at the end of the year. Increasing emphasis is being laid in various institutions for social training upon the two year course, and the successful institution of such a course here places this University abreast of the best institutions elsewhere.

Another matter of interest is the presenting to the Department, through the Director, of a fund of two thousand dollars from Miss McCormick to be used for the purpose of building up the library of the Department, thereby advancing social and public work. This fund was placed in the hands of the Director to be used for public service, and Miss McCormick approved this use as the best employment for this fund.

The number of full time students has not decreased in spite of war conditions which bear heavily upon the field of social work. The demand for workers has so

greatly increased that many who contemplated taking the training of the Unversity are offered practical positions without this, and enter untrained into such service. This is a problem everywhere in regard to social training and one which affects all institutions of social training alike. The quality of the students has been high as heretofore, including many college graduates. This is the ideal requirement for entrance, although it is not only unwise but impossible to maintain it as a definite requirement at present.

The graduates of the Department have already almost all accepted professional positions, and the demand for our trained workers is great. Several of our graduates have entered at once into work of large responsibility.

The Department has been as usual active in many ways in the general field of social development; among other things it conducted a course of lectures on social service topics in the City of Hamilton, which continued throughout the entire winter. Such extension work with its possibilities of education and of stimulation of local interest and activity is an important line of usefulness.

(14) Report of the Physical Director (Dr. W. J. Barton).

In view of the further discontinuance of intercollegiate sports, athletic activities were again confined to interfaculty contests. Notwithstanding the smaller registration considerable interest was displayed and players of good calibre took part.

The compulsory regulation of the University in regard to the physical examination of every male student and the assignment of each student either to military drill or to a class for physical instruction has had a most beneficial effect and should be a conclusive argument in favour of compulsory athletics and physical training. Nine hundred and ninety-three men were examined and categorized.

In Rugby nine teams competed for the Mulock Cup, Overseas Training Company winning from Senior Meds in the final. In Soccer ten teams competed, Dentals winning the Championship for the third time in succession.

The Tennis Tournament was very successful and developed many junior players of good calibre.

Existing conditions again prevented the holding of a Track Meet, Harrier races and the Assault-at-Arms.

In the Hockey schedule for the Jennings Cup, ten teams entered and in spite of uncertain weather and the difficulty of arranging dates, a very successful series was played, resulting in the Dentals winning the Cup.

Twelve teams competed in the Basketball Series for the Sifton Cup. All the games were played at the Central Y.M.C.A. and keen interest was displayed. Victoria College won the Championship.

On account of the collapse of the swimming pool, instruction in this important branch could not be given to the men, and the Swimming Instructor devoted his entire time to the women students.

Indoor work and gymnasium classes were replaced this year by classes in physical training under instructors from Military Headquarters. Following the regulation of the Senate all men who were found unfit for military drill were required to take some form of physical work as prescribed by the Physical Director. Two hundred men were organized into classes and attended twice a week. The

attendance was considerably over the 80 per cent. required and the beneficial results at the end of the Session were well in evidence.

The regular lectures in Physical Training were given to the students in the Faculty of Education.

(15) Report of the Superintendent of the Dining Hall (Miss V. M. Ryley).

During the year 1917-18, the Dining Hall of the University of Toronto has not been serving University students as in former years, but has fed only Royal Flying Corps Cadets.

The same principle that I have used in the past in planning the meals for the University students have been used in planning meals for the cadets. Scarcely a day ever passes without some of the cadets personally or in behalf of groups thanking my assistant dietitians for the meals they receive, and they claim that there is no other camp in Canada where the men are fed as satisfactorily and where they enjoy their meals as much as at the University.

As proof of this satisfaction I was asked by one of the officers of the Royal Flying Corps to supervise a second dining hall where more cadets could be fed on the same principle, but seeing the President of the University had already granted part of my time to the Military Hospitals' Commission, as General Organizing Dietitian, my first assistant dietitian was placed in charge of the Royal Flying Corps of the Wycliffe Dining Hall, which is now run on the same principle as the University Dining Hall.

Last summer we started with about one hundred cadets, but the attendance gradually increased until now we are serving between five and six hundred men, or over fifteen hundred meals per day. This means with our very limited seating accommodation, three sittings three times per day, but it is a great pleasure and privilege to be able to do our bit toward increasing the health and efficiency of the cadets by serving well prepared and attractive meals.

APPENDIX B.

(1) Enrolment in the Colleges.
(2) Enrolment in University Subjects.
(3) Registration in Courses in the Faculty of Arts.
(4) Registration of Women Students.
(5) Registration for Graduate Courses.

(1) Enrolment in the Colleges.

The students in University College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Orientals.	Ethics.
First Year—								
Pass	9	120	87	125	36	101	7	.....
Honours	8	22	28	58	14	52	.....	.....
Second Year—								
Pass	3	60	.....	98	38	99	5	.....
Honours	5	6	12	52	26	34	2	.....
Third Year—								
Pass	2	8	4	84	13	48	2	52
Honours	5	3	2	30	20	25	1	.....
Fourth Year—								
Pass	3	10	16	78	20	46	2	.....
Honours	3	2	3	28	11	12	1	.....
Totals—								
Pass	17	198	107	385	107	294	16	52
Honours	21	33	45	168	71	123	4	.....

The students in Victoria College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German	French.	Orientals.	Ethics.
First Year—								
Pass	1	40	33	50	9	40	5	.....
Honours	3	10	12	22	10	17	.....	.....
Second Year—								
Pass	2	22	.....	48	14	40	2	.....
Honours	8	8	4	21	8	14	.....	.....
Third Year—								
Pass	.....	6	5	42	5	14	6	19
Honours	2	2	2	13	6	13	.....	6
Fourth Year—								
Pass	1	6	6	32	9	14	2	3
Honours	.....	.....	.....	10	7	7	.....	5
Totals—								
Pass	4	74	44	172	37	108	15	22
Honours	13	20	18	66	31	51	.....	11

The students in Trinity College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Orientals.	Ethics.
First Year—								
Pass	2	10	6	15	3	12	2	.....
Honours	4	8	7	11	5	6	.....	.....
Second Year—								
Pass	4	7	.....	7	5	6	3	.....
Honours	.....	1	1	6	3	4	1	.....
Third Year—								
Pass	3	2	4	14	4	10	1	4
Honours	3	2	2	4	.....	3	.....	.....
Fourth Year—								
Pass	.....	1	2	7	4	5	1	4
Honours	.....	.....	.....	5	.....	1	.....	.....
Totals—								
Pass	9	20	12	43	16	33	7	8
Honours	7	11	10	26	8	14	1	.....

The students in St. Michael's College were enrolled as follows:

—	Greek.	Latin.	Ancient History.	English.	German.	French.	Philosophy.	Ethics.
First Year—								
Pass	18	70	6	70	15	68	.....	.....
Honours	.....	2	4	8	6	8	.....	.....
Second Year—								
Pass	6	30	.....	33	8	26	.....	.....
Honours	1	1	1	5	5	5	6	6
Third Year—								
Pass	1	7	.....	25	6	19	9	22
Honours	1	1	1	4	4	3	2	2
Fourth Year—								
Pass	.....	7	.....	14	5	12	5	13
Honours	.....	.....	.....	2	2	2	.....	.....
Totals—								
Pass	25	114	6	142	34	125	14	35
Honours	2	4	6	19	17	18	8	8

(2) Enrolment in University Subjects.

The following tables exhibit the numbers attending lectures in University subjects, together with the numbers of those taking the practical work in the laboratories:—

DEPARTMENT OF MATHEMATICS.

—	Pass.	Pass and Honours.	Honours.
Faculty of Arts—			
First Year	266	.....	43
Second Year	.....	.....	36
Third Year	.....	.....	14
Fourth Year	10	.....	8
Faculty of Applied Science—			
First Year	.....	70	.....
Second Year	.....	37	.....
Total	276	107	101

DEPARTMENT OF PHYSICS.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	86	.....	68	154
Second Year	20	.....	23	39
Third Year	11	.....	14	25
Fourth Year	1	.....	9	8
Graduate Students	.....	.....	10	9
Faculty of Medicine—				
First Year	.....	170	.....	170
Faculty of Forestry—				
First Year	4	.....	.....	4
Faculty of Household Science—				
First Year	34	.....	.....	34
Total	156	170	124	443

DEPARTMENT OF BIOLOGY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	138	.....	41	179
Second Year	37	.....	8	45
Third Year	1	.....	10	11
Fourth Year	2	.....	6	8
Graduate Students	.....	.....	.....	2
Faculty of Medicine—				
First Year	.....	157	.....	157
Second Year	.....	92	.....	92
Faculty of Applied Science—				
First Year	.....	9	.....	9
Faculty of Forestry—				
Third Year	.....	2	.....	2
Total	178	260	65	505

DEPARTMENT OF BOTANY

—	Pass	Pass and Honours	Honours	Laboratory
Faculty of Arts—				
First Year	135	.....	43	168
Second Year	40	.....	2	42
Third Year	1	.....	5	6
Fourth Year	4	.....	5	9
Graduate Students	.....	.....	9	9
Faculty of Applied Science	.....	6	.....	6
Faculty of Forestry—				
First Year	.....	3	.....	3
Fourth Year	.....	1	.....	1
Ontario Veterinary College Students	.....	.....	.....	18
Total	180	10	64	262

DEPARTMENT OF CHEMISTRY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	39	.....	66	103
Second Year	88	.....	10	69
Third Year	6	.....	5	6
Fourth Year	1	.....	3	2
Graduate Students	.....	.....	.....	6
Faculty of Medicine—				
First Year	.....	196	.....	165
Faculty of Applied Science—				
Second Year	.....	9	.....	.....
Third Year	.....	1	.....	.....
Faculty of Forestry—				
First Year	3	.....	.....	3
Ontario Veterinary College Students	19	.....	.....	19
Total	158	176	84	375

DEPARTMENT OF PHYSIOLOGY AND BIOCHEMISTRY.

—	Pass and Honours	Honours.	Laboratory.
Faculty of Arts—			
Second Year	33	1	33
Third Year	43	11	43
Fourth Year	4	4	4
Fourth Year (Food Chemistry)	28	1	28
Occasional Students	1	.....	1
Graduate Students	5	5	5
Faculty of Medicine—			
Second Year	99	.....	99
Third Year	73	.....	73
Faculty of Education—			
One Year course (Food Chemistry)	24	.....	24
Ontario Veterinary Students	29	.....	29
Counted twice	1	1	1
Total	340	21	340

DEPARTMENT OF GEOLOGY.

—	Pass.	Pass and Honours	Honours.	Laboratory.
Faculty of Arts—				
Second Year	77	.....	5	73
Third Year	4	.....	2	6
Fourth Year	1	.....	1	2
Faculty of Applied Science—				
Second Year	.....	4	.....	.....
Third Year	.....	12	.....	.....
Fourth Year	.....	13	.....	2
Faculty of Forestry—				
Second Year	.....	1	.....	1
Total	82	30	8	84

DEPARTMENT OF MINERALOGY.

—	Pass.	Pass and Honours.	Honours.	Laboratory.
Faculty of Arts—				
First Year	.....	.....	.....	.....
Second Year	68	.....	5	73
Third Year	5	.....	7	12
Fourth Year	1	.....	14	7
Faculty of Applied Science—				
First Year	.....	11	.....	11
Second Year	.....	11	.....	11
Third Year	.....	2	.....	2
Fourth Year	.....	2	.....	2
Faculty of Forestry—				
Second Year	.....	1	.....	1
Total	74	27	26	119

DEPARTMENT OF PHILOSOPHY.

—		History of Philosophy and Metaphysics.		Psychology.	Logic.	Ethics.	
		Pass.	Honours.	Honours.	Honours.	Pass.	Honours.
Second Year	.....	.....	4	6	.....	.....	7
Third Year	.....	23	9	8	7	82	3
Fourth Year	.....	34	10	9	9	17	5
Graduate Students	15	.....	.....	.....	.....	.....	.....
Total	15	57	23	23	16	99	15

DEPARTMENT OF POLITICAL SCIENCE.

—	Pass.	Honours.
Faculty of Arts—		
Department of Political Science—		
First Year	.....	17
Second Year	17	19
Third Year	85	16
Fourth Year	49	7
Graduate Students	.....	16
Department of Commerce and Finance—		
First Year	.....	13
Second Year	.....	4
Third Year	.....	2
Fourth Year	.....	2
Department of Modern History—		
Second Year	.....	6
Third Year	.....	8
Fourth Year	.....	3
Department of Philosophy—		
Third Year	.....	10
Department of Household Science—		
Fourth Year	21	.....
Faculty of Forestry	3	.....
Occasional Students	.....	5
Totals	175	130

DEPARTMENT OF HISTORY.

——	Pass.	Honours.
First Year	40	39
Second Year	109	47
Third Year	169	38
Fourth Year	112	24
Total	430	148

DEPARTMENT OF ITALIAN AND SPANISH.

——	Italian.		Spanish.		Phonetics.
	Pass.	Honours.	Pass.	Honours.	Honours.
First Year	18	20	45	53	.....
Second Year	17	21	11	4	34
Third Year	.....	6	.....	7	.....
Fourth Year	.....	8	.....	2	.....
Total	35	56	56	66	34

DEPARTMENT OF HOUSEHOLD SCIENCE.

——	General Course.	Household Science Course.	Total.
Faculty of Arts—			
First Year	.....	34	34
Second Year	.....	33	33
Third Year	5	32	37
Fourth Year	7	21	28
Occasional Students	.....	.....	2
Faculty of Education—			
Household Science Course	.....	.....	26
General Course	.....	.....	134
Summer Session	.....	.....	20
	12	120	314

(3) Registration in Courses in the Faculty of Arts, 1917-1918.

Courses.	First Year.				Second Year.				Third Year.				Fourth Year.				Total.
	U.C.	V.C.	T.C.	St.M.C.	U.C.	V.C.	T.C.	St.M.C.	U.C.	V.C.	T.C.	St.M.C.	U.C.	V.C.	T.C.	St.M.C.	
General Course	100	34	10	67	47	20	7	25	52	19	11	21	48	18	6	14	499
General Course (Household Science)	18	12	1	.....	14	20	.....	1	16	12	.....	.....	10	9	.....	.....	113
Classics	4	3	1	.....	1	4	.....	1	1	3	2	1	.....	.....	1	.....	22
English and History (Classics)	4	2	3	.....	2	5	.....	.....	1	.....	1	1	2	.....	.....	.....	21
Orientals	.....	.....	.....	.....	3	.....	.....	.....	1	.....	.....	.....	1	.....	.....	.....	5
Moderns	19	8	3	7	17	7	2	5	14	4	.....	3	12	7	1	2	111
Eng. and Hist. (Moderns)	11	4	2	.....	10	5	1	.....	6	7	3	.....	9	3	4	.....	65
Modern History	5	2	1	1	2	4	1	.....	6	2	.....	.....	3	.....	.....	.....	27
Political Science	10	5	2	1	10	6	1	.....	15	1	.....	.....	7	1	.....	.....	59
Commerce and Finance	9	4	1	.....	4	.....	.....	.....	1	1	.....	.....	2	.....	.....	.....	22
Philosophy	.....	.....	.....	.....	4	.....	1	6	2	6	.....	2	4	5	.....	.....	30
Mathematics and Physics	19	1	1	1	7	1	1	.....	7	2	1	.....	12	3	1	.....	57
Natural and Physical Sciences	31	5	3	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	40
Physics	.....	.....	.....	.....	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Biology	.....	.....	.....	.....	.....	.....	.....	.....	2	2	.....	.....	4	.....	.....	.....	8
Geology and Mineralogy	.....	.....	.....	.....	.....	.....	.....	.....	.....	1	.....	.....	1	.....	.....	.....	2
Chemistry and Mineralogy I.	.....	.....	.....	.....	3	1	.....	.....	3	1	1	.....	.....	1	.....	.....	10
Biological and Phys. Sciences	.....	.....	.....	.....	1	2	.....	.....	1	.....	.....	.....	1	1	.....	.....	6
Physiological and Biochem. Scs.	.....	.....	.....	.....	3	.....	.....	.....	3	.....	1	1	.....	1	.....	.....	9
Household Science	.....	.....	.....	.....	1	.....	.....	.....	.....	2	2	.....	.....	1	.....	.....	6
Arts and Forestry	1	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2
Science for Teachers	.....	.....	.....	.....	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1
Total of courses taken	231	80	28	79	132	75	14	38	131	63	22	29	116	50	13	16	1,117
Total of students registered	229	75	28	79	132	74	14	38	131	63	22	29	116	50	13	16	

(4) Registration of Women Students.

The women students registered in University College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	38	33	32	39
Classics	4	1	1	.....
English and History (Moderns)	14	9	6	9
English and History (Classics)	2	1	1	2
Moderns	18	16	14	11
Modern History	2	1	5	.....
Political Science	1	3	.....	.....
Household Science (General)	20	15	32	10
Natural Sciences	20	3	4	8
Commerce and Finance	1	.....	.....	.....
Totals	120	82	95	79

The women students registered in Victoria College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	20	17	13	13
Moderns and English and History	9	12	9	8
Classics and English and History	1	4	1	.....
Modern History	1	4	2	.....
Mathematics and Physics	.....	.....	1	.....
Natural and Physical Sciences	.....	1	4	.....
Household Science	.....	.....	3	1
Household Science (General)	13	19	11	9
Philosophy	.....	.....	1	1
Political Science	1	1	.....	.....
Commerce and Finance	2	.....	.....	.....
Totals	47	58	45	32

The women students registered in Trinity College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	6	2	7	6
Modern Languages	2	2	.....	1
English and History (Moderns)	.....	1	2	4
English and History (Classics)	.....	.....	1	.....
Modern History	1	1	.....	.....
Household Science	2	.....	2	.....
Mathematics and Physics	1	.....	1	1
Chemistry and Mineralogy I	.....	.....	1	.....
Physiological and Biochem. Scs	.....	.....	1	.....
Totals	12	6	15	12

The women students registered in St. Michael's College took the following courses:

Courses.	First Year.	Second Year.	Third Year.	Fourth Year.
General	16	5	10	8
Modern Languages	3	2	2	2
English and History (Moderns)	1	3	.....	.....
Classics	.....	.....	1	.....
English and History (Classics)	.....	.....	1	.....
Modern History	1	.....	.....	.....
Household Science (General)	.....	1	.....	.....
Totals	21	11	14	10

The women in the Faculty of Medicine were enrolled as follows:

First Year	20
Second Year	10
Third Year	8
Fourth Year	9
Special War Session	4
	51

The women in the Faculty of Applied Science and Engineering were enrolled as follows:

First Year	1
Second Year	1
	2

The women in the Faculty of Education took the following courses:

First Class Grade B Course	145
High School Assistants' Course	61
Household Science	26
	232

(5) Registration for Graduate Courses.

		M.A.	Ph.D.	Graduate
Department of	Classics	1	....	2
"	Oriental Languages	1	1	....
"	English	3	1	....
"	Romance Languages	2	1	....
"	History	12	1	....
"	Political Science	10	2	3
"	Philosophy	4	5	3
"	Mathematics	....	1	....
"	Physics	6	5	....
"	Astronomy	1	....	....
"	Chemistry	4	2	1
"	Biochemistry	6	....	....
"	Physiology	1	....	....
"	Biology	....	1	....
"	Botany	3	6	....
"	Anatomy	1	1	....
"	Geology	1	....	....
		56	27	9
	Miscellaneous	1	....	
	Total	57	27	9

APPENDIX C.

Results of Examinations.

(1) Faculty of Arts.
(2) Faculty of Medicine.
(3) Faculty of Applied Science and Engineering.
(4) Faculty of Forestry.
(5) Faculty of Education.

RESULTS OF EXAMINATIONS IN APRIL, 1918.

(1) Faculty of Arts.

Senior Matriculation.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals.	Passed.	Granted standing on account of Mil. Service.	Nat'al. Ser.	Starred.	Failed.	Transfer'd.	Aegrotat.	Deferred.	Debarred.
General	....	26	7	3	25	61	11	.....	1	26	23	....	....	....	25
Supplementals	....	2	3	....	1	6	4	.....	..	2	....	....	....	....	....
House. Sc. (Gen. Course)	....	5	2	....	....	7	4	.....	..	2	1	1	....	....	....
Moderns	....	1	1	....	....	2	2	.....	..	..	....	....	....	....	....
Political Science	....	1	....	....	....	1	....	.....	..	1	....	1	....	....	1
Commerce and Finance	....	1	....	....	....	1	....	.....	..	1	....	1	....	....	1
Math. and Phys.	....	3	1	....	....	4	2	.....	..	2	....	2	....	....	2
Natural Science	....	5	1	....	1	7	1	.....	1	4	1	3	....	....	3
Totals	....	44	15	3	27	89	24	.....	2	38	25	8	....	....	32

First Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. M. Coll.	Totals.	Passed.	Granted standing on account of Mil. Service.	Nat'al. Ser.	Starred.	Failed.	Transfer'd.	Aegrotat.	Deferred.	Debarred.
General	....	61	23	4	33	121	46	1	6	45	23	....	....	....	21
Supplementals	....	9	6	2	8	25	22	.....	..	3	....	....	....	....	....
House. Sc. (Gen. Course)	....	10	10	1	....	21	13	.....	..	7	1	1	....	....	3
Classics	....	4	3	3	....	10	10	.....	..	..	....	1	....	....	....
Moderns	....	18	7	2	7	34	29	.....	..	5	....	5	2	2	3
Eng. and Hist. (Class.)	....	5	1	3	....	9	8	.....	..	1	....	4	....	....	....
Eng. and Hist. (Mod.)	....	12	3	2	....	17	17	.....	..	..	....	7	....	....	....
Modern History	....	6	3	1	1	11	11	.....	..	..	....	1	....	....	....
Political Science	....	9	4	2	1	16	11	.....	..	5	....	8	....	....	....
Commerce and Finance	....	7	3	1	....	11	6	.....	..	5	....	9	....	....	....
Math. and Phys.	....	16	....	1	1	18	14	.....	..	4	....	7	....	....	....
Natural Science	....	23	5	2	....	30	26	.....	..	4	....	4	1	....	....
Occasionals	20	4	1	2	....	27	20	.....	..	7	....	....	....	....	....
Teachers'	6	....	....	....	....	6	6	.....	..	..	....	....	....	....	....
Arts and Forestry	1	....	....	....	....	1	1	.....	..	..	....	....	....	....	....
Totals	27	184	69	26	51	357	240	1	6	86	24	47	3	2	27

Second Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. Michael's College.	Totals.	Passed.	Granted standing on account of Military Service.	National Service	Starred.	Failed.	Transfer'd.	Aegrotat.	Deferred.	Debarred.
General	..	40	20	5	21	86	17	2	3	32	32	..	1	..	16
Supplementals	..	12	9	1	5	27	15	....	....	12	....	..	..	..	..
House. Science (Gen. Course)	..	13	17	....	1	31	17	....	....	13	1	..	1	..	8
Classics	..	2	5	....	1	8	4	....	....	4	....	..	2	2	2
Orientals	..	1	....	....	....	1	....	....	....	1	....	..	..	1	1
Orientals (Greek)	..	1	....	....	....	1	....	....	....	1	....	..	..	..	..
Moderns	..	18	7	2	5	32	21	....	....	8	3	3	2	1	4
English and History (Cl.)	..	1	4	....	....	5	4	....	....	1	....	1	..	..	..
English and History (Mod.)	..	8	5	1	....	14	13	....	....	1	....	..	..	..	..
Modern History	..	1	4	1	....	6	5	....	....	....	1	..	2	..	..
Political Science	..	11	7	1	....	19	13	....	2	1	3	..	..	..	..
Commerce and Finance	..	3	....	....	....	3	3	....	....	....	....	..	..	..	..
Philosophy	..	4	....	....	6	10	7	....	....	3	....	..	..	1	2
Mathematics and Physics	..	7	1	1	....	9	3	....	4	1	1	..	..	..	..
Physics	..	2	....	....	....	2	1	....	....	1	....	..	1	..	..
Chemistry and Mineralogy	..	3	1	....	....	4	1	....	3	....	....	..	..	..	..
Biological and Physical Scs.	..	1	2	....	....	3	1	....	....	2	....	..	1	..	1
Physiol. and Biochem. Scs.	..	2	....	....	....	2	1	....	....	1	....	..	..	..	..
Household Science	..	1	....	....	....	1	....	....	....	1	....	..	..	..	..
Science (Teachers)	..	1	....	....	....	1	....	....	....	1	....	..	..	..	..
Occasionals	21	3	1	1	....	26	25	....	....	1	....	..	..	..	..
Teachers	23	....	....	....	....	23	19	....	....	4	....	..	..	..	..
Totals	44	135	83	13	39	314	170	2	12	89	41	4	10	5	34

Third Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. Michael's College	Totals.	Passed.	Granted standing on account of Military Service.	National Service.	Starred.	Failed.	Transferred	Aegrotat.	Deferred.	Debarred.
General	..	48	19	10	21	98	60	2	1	33	2	..	1	..	22
Supplementals	..	10	4	....	3	17	14	....	....	3	....	..	..	..	..
House. Science (Gen. Course)	..	16	7	....	....	25	19	....	....	6	....	..	..	..	3
Classics	..	1	2	2	1	6	6	....	....	....	....	..	..	..	..
Orientals	..	1	....	....	....	1	1	....	....	....	....	..	..	..	..
Moderns	..	14	4	....	2	20	17	....	1	2	....	1	1	..	1
English and History (Cl.)	..	1	....	1	1	3	3	....	....	....	....	..	..	..	..
English and History (Mod.)	..	6	7	3	....	16	13	....	....	3	....	..	3	..	..
Modern History	..	6	2	....	....	8	7	....	....	....	1	..	..	..	..
Political Science	..	14	1	....	....	15	13	....	....	2	....	..	1	1	2
Commerce and Finance	..	1	1	....	....	2	2	....	....	....	....	..	..	..	..
Philosophy	..	2	6	....	2	10	5	....	1	4	....	..	2	1	2
Mathematics and Physics	..	7	2	....	....	9	6	1	2	....	....	..	..	..	..
Biology	..	2	2	....	....	4	4	....	....	....	....	..	..	..	..
Geology and Mineralogy	..	....	1	....	....	1	1	....	....	....	....	..	..	..	..
Chemistry and Mineralogy(I)	..	3	1	1	....	5	1	....	4	....	....	..	..	..	..
Biological and Physical Scs.	..	1	....	....	....	1	1	....	....	....	....	..	..	..	..
Physiol. and Biochem. Scs.	..	4	1	1	1	7	7	....	....	....	....	..	..	..	..
Household Science	..	....	3	2	....	5	5	....	....	....	....	..	..	..	..
Occasionals	..	3	2	1	....	6	5	....	....	1	....	..	..	..	..
Teachers	4	....	....	....	....	4	4	....	....	....	....	..	..	..	..
Totals	4	140	67	21	31	263	194	3	9	54	3	1	7	2	30

Fourth Year.

Courses.	University.	Univ. Coll.	Vic. Coll.	Trin. Coll.	St. Michael's College.	Totals.	Passed.	Granted standing on acct. of Military Service.	National Service.	Starred.	Failed.	Aegrotat.	Deferred.	Pass Deg.
General	..	47	17	5	14	83	68	....	....	15	....	1	..	..
Supplementals	..	1	1	....	....	2	2	....	....	....	....	....	..	..
Household Science (Gen. C.)	..	10	9	1	....	20	18	....	....	2	....	....	..	..
Orientals (Greek)	..	1	....	....	....	1	1	....	....	....	....	....	..	..
Moderns	..	10	7	1	2	20	20	....	....	....	....	....	..	..
English and History (Clas.)	..	2	....	....	....	2	2	....	....	....	....	....	..	..
English and History (Mod.)	..	9	3	4	....	16	16	....	....	....	....	....	..	..
Modern History	..	3	....	....	....	3	3	....	....	....	....	....	..	..
Political Science	..	7	....	....	....	7	7	....	....	....	....	....	..	..
Commerce and Finance	..	2	....	....	....	2	2	....	....	....	....	....	..	..
Philosophy	..	4	5	....	....	9	8	....	1	....	....	....	..	..
Mathem. and Physics — Mathematics	..	6	3	....	....	9	7	....	1	....	1	....	..	..
Mathem. and Physics — Physics	..	6	....	1	....	7	7	....	....	....	....	....	..	..
Biology I	..	3	....	....	....	3	3	....	....	....	....	....	..	..
Biology II	..	1	....	....	....	1	1	....	....	....	....	....	..	..
Chem. and Mineralogy I.	..	1	....	....	....	1	1	....	....	....	....	....	..	..
Biol. and Phys. Sciences	..	1	1	....	....	2	2	....	....	....	....	....	..	..
Phys. and Biochem. Scs.	..	....	1	....	....	1	1	....	....	....	....	....	..	..
Household Science	..	....	1	....	....	1	1	....	....	....	....	....	..	..
Occasionals	..	3	4	1	1	9	9	....	....	....	....	....	..	..
Totals	..	117	52	13	17	199	179	....	2	17	1	1	..	..

(2) Faculty of Medicine.

—	Passed.	Granted standing on account of Military Service.	Starred.	Failed.
First Year	91	22	16	22
Second Year	62	15	20	3
Third Year	28	35	20	2
Fourth Year	35	8	18	2
Fifth Year	74	....	20	....

(3) Faculty of Applied Science.

—	Passed with Honours.	Passed.	Granted standing on account of Mil. Service.	Starred.	Failed.
First Year:					
Civil Engineering	2	2	.....	4	3
Mining Engineering	2	1	.....	2	.....
Mechanical Engineering	4	2	.....	6	2
Architecture	.....	.....	.....	1	.....
Analytical and Applied Chemistry	1	3	.....	5	.....
Chemical Engineering	3	.....	1	3	1
Electrical Engineering	4	1	3	3	2
Second Year:					
Civil Engineering	1	2	.....	2	1
Mining Engineering	.....	.....	.....	1	1
Mechanical Engineering	.....	2	.....	1	.....
Architecture	.....	.....	.....	1	.....
Analytical and Applied Chemistry	1	1	.....	.....	.....
Chemical Engineering	.....	6	.....	.....	.....
Electrical Engineering	4	1	1	5	.....
Third Year:					
Civil Engineering	2	2	1	4	.....
Mechanical Engineering	1	1	.....	1	.....
Architecture	2	.....	.....	.....	.....
Chemical Engineering	.....	.....	.....	1	.....
Electrical Engineering	1	3	.....	5	.....
Fourth Year:					
Civil Engineering	5	2	3	2	.....
Mining Engineering	.....	1	1	.....	.....
Mechanical Engineering	1	.....	.....	.....	.....
Chemical Engineering	1	1	.....	.....	.....
Electrical Engineering	7	1	.....	.....	.....

(4) Faculty of Forestry.

—	Passed.	Granted standing on account of Mil. Service or Farm Labour.	Honours Deferred.	Failed.
First Year	.....	3	.....	1
Second Year	1	.....	.....	.....
Third Year	.....	.....	.....	.....
Fourth Year	2	.....	2	.....

(5) Faculty of Education.

—	Passed.	Failed.
First-Class Grade B Course	164	.....
High School Assistants' Course	66	.....
*Specialists	28	.....
Household Science	25	.....
Bachelor of Pedagogy (passed in part)	1	.....
Doctor of Pedagogy	2	.....
Doctor of Pedagogy (passed in part)	17	.....
Number who failed in whole or part	.....	26

* Many of these are included among those who passed in the High School Assistants' Course.

APPENDIX D.

Geographical Distribution of Students.

The geographical distribution of students is as follows:

FACULTY OF ARTS.

——	University of Toronto.	University College.	Victoria College.	Trinity College.	St. Michael's College.	Total
Ontario: (1) Province	21	308	178	59	78	644
(2) Toronto	11	286	71	16	80	464
Nova Scotia	1	6	1	.....	.....	8
New Brunswick	.....	2	.....	.....	1	3
Prince Edward Island	.....	2	.....	.....	.....	2
Quebec	3	2	1	1	1	8
Manitoba	4	.....	1	3	.....	8
Saskatchewan	8	6	11	.....	.....	25
Alberta	3	8	3	.....	.....	14
British Columbia	.....	4	.....	1	.....	5
Yukon Territory	.....	1	.....	.....	.....	1
United States	7	14	1	1	6	29
Elsewhere	6	11	16	.....	.....	33
Totals	64	650	283	81	165	1,244

SUMMARY.

——	Faculty of Arts.	Graduate Studies.	Faculty of Medicine.	Faculty of Applied Science.	Faculty of Education.	Faculty of Forestry.	Department of Social Service.	Summer Session & Teachers' Classes.	Totals.
Ontario:									
(1) Province	644	34	314	94	286	3	102	11	1,488
(2) Toronto	464	39	179	66	47	5	115	35	950
Nova Scotia	8	1	.....	.....	.....	.....	4	.....	13
New Brunswick	3	3	1	.....	.....	.....	3	.....	10
Prince Edward Island	2	1	1	.....	.....	.....	.....	.....	4
Quebec	8	1	1	.....	4	1	2	.....	17
Manitoba	8	.....	1	1	2	.....	4	.....	16
Saskatchewan	25	3	8	1	10	.....	1	.....	48
Alberta	14	1	5	1	5	.....	.....	.....	26
British Columbia	5	1	8	1	2	.....	2	.....	19
Yukon	1	1	.....	.....	.....	.....	.....	.....	2
United States	29	3	3	.....	.....	1	2	.....	38
Elsewhere	33	5	4	2	2	.....	7	.....	53
Occasionals	.....	.....	131	2	.....	.....	.....	.....	133
Totals	1,244	93	656	166	358	10	242	46	2,817
Less duplicate registration									18
									2,799

The students from the Province of Ontario are distributed as follows:

County.	Faculty of Arts.	Graduate Courses.	Faculty of Medicine.	Faculty of Applied Science.	Faculty of Education.	Faculty of Forestry.	Department of Social Service.	Summer Session.	Totals.
Algoma	7	.....	6	1	.....	.....	4	.....	18
Brant	17	1	3	.....	6	1	1	.....	29
Bruce	14	1	5	3	11	.....	3	.....	37
Carleton	28	2	7	.....	1	.....	2	.....	40
Dufferin	5	.....	3	.....	3	.....	1	.....	12
Dundas	6	.....	2	.....	3	.....	.....	.....	11
Durham	10	1	3	.....	6	.....	3	.....	23
Elgin	12	.....	4	2	8	.....	2	.....	28
Essex	19	.....	16	5	5	.....	.....	.....	45
Frontenac	1	1	1	.....	.....	.....	3	.....	6
Glengarry	2	.....	2	.....	.....	.....	.....	.....	4
Grenville	3	.....	.....	.....	2	.....	1	1	7
Grey	20	2	15	1	11	.....	3	.....	52
Haldimand	7	.....	5	.....	3	.....	1	1	17
Haliburton	1	.....	.....	.....	.....	.....	.....	.....	1
Halton	11	2	5	1	10	.....	3	.....	32
Hastings	10	1	6	.....	5	.....	4	.....	26
Huron	24	.....	13	4	15	.....	4	1	61
Kenora	1	.....	.....	.....	.....	.....	.....	.....	1
Kent	10	.....	12	3	12	.....	4	1	42
Lambton	9	2	6	3	6	.....	2	.....	28
Lanark	16	.....	2	2	9	.....	1	.....	30
Leeds	17	.....	5	2	1	.....	.....	.....	25
Lennox and Addington	2	.....	3	1	1	.....	2	.....	9
Lincoln	12	3	6	2	4	.....	2	1	30
Manitoulin	1	.....	.....	.....	.....	.....	.....	.....	1
Middlesex	24	.....	7	8	18	.....	3	.....	60
Muskoka	3	.....	2	1	.....	.....	2	.....	8
Nipissing	7	.....	7	2	1	.....	.....	.....	17
Norfolk	6	.....	2	.....	5	.....	.....	.....	13
Northumberland	11	1	3	.....	3	.....	2	.....	20
Ontario	20	2	10	6	9	.....	3	1	51
Oxford	14	1	7	8	12	.....	3	.....	45
Parry Sound	.....	.....	.....	.....	.....	.....	1	.....	1
Peel	19	1	8	2	6	.....	.....	.....	36
Perth	23	1	11	8	17	1	4	1	66
Peterborough	20	2	5	.....	8	.....	5	.....	40
Prescott	2	.....	.....	.....	.....	.....	.....	.....	2
Prince Edward	5	1	2	.....	.....	.....	.....	.....	8
Rainy River	1	.....	1	.....	.....	.....	1	.....	3
Renfrew	9	.....	1	1	1	.....	1	1	14
Russell	.....	.....	1	.....	.....	.....	.....	.....	1
Simcoe	48	4	25	8	13	.....	9	.....	107
Stormont	7	.....	.....	.....	2	.....	.....	.....	9
Sudbury	2	.....	.....	.....	1	.....	.....	.....	3
Thunder Bay	1	.....	3	.....	2	.....	.....	.....	6
Temiskaming	2	.....	.....	.....	.....	.....	.....	.....	2
Victoria	10	1	1	.....	7	.....	3	.....	22
Waterloo	17	.....	10	2	8	.....	1	.....	38
Welland	14	.....	10	2	2	.....	3	1	32
Wellington	32	1	28	1	19	.....	6	.....	87
Wentworth	51	2	18	10	16	.....	4	.....	101
York	31	1	22	5	14	1	5	2	81
Toronto	464	39	179	65	47	5	115	35	949
Totals	1,108	73	493	159	333	8	217	46	2,437

APPENDIX E.

Publications by Members of the Staff.

Faculty of Arts.

Department of Biology.

Cragie, E. Horne, and Chase, W. H.—"Further Hydrographic Investigations in the Bay of Fundy." (Contributions to Canadian Biology.)

Huntsman, A. G.—"Concerning Some Ontario Crayfishes." (Ottawa Nat., Vol. 30, No. 10, 1917.)

"The Lampreys of Eastern Canada." (Ottawa Nat., Vol. 31, No. 2, 1917.)

"The Canadian Plaice." (Bull. Bio. Board of Canada, No. 1, 1917.)

"The Growth of the Scales in Fishes." (Trans. Roy. Can. Sust., Vol. XII, p. 1.)

"Growth of the Young Herring (so-called Sardines) of the Bay of Fundy." (Can. Fish Exped., 1914-15.)

"Biology of Atlantic Waters of Canada." (Can. Fish Exped., 1914-15.)

Walker, E. M.—"Notes on the Land Mollusca of De Grassi Point, Lake Simcoe, and other Ontario Localities." (The Ottawa Naturalist, June-July, 1917, pp. 40-45.)

"The Known Nymphs of the North American Species of Sympetrum." (Canadian Entomologist, XLIX, Dec., 1917, pp. 409-418, pts. 19, 20.)

Department of Botany.

Faull, J. H.—"Chondromyces Thaxteri, A New Myxobacterium," 2 plates. (Botanical Gazette, Vol. LXII, No. 3.)

"Fomes Officinalis (VIII), A Timber-Destroying Fungus," 8 plates. (Trans. Roy. Can. Inst., Vol. XI.)

"The Menace to our White Pine." (Canadian Forestry Journal, May and June, 1918.)

Cosens, A., and Sinclair, T. A.—"Aeriferous Tissue in Willow Galls." (Botanical Gazette, Vol. LXII, No. 3.)

Department of English.

Edgar, Pelham.—"Canadian Literature." (Cambridge History of English Literature, Vol. XIV.)

"Canadian Poetry." (Ward's English Poets—Vol. V.)

Department of Geology.

Coleman, A. P.—"Magmas and Sulphide Ores." (Economic Geology, Vol. XII, No. 5, Aug., 1917.)

"Wave Work as a Measure of Time: A Study of the Ontario Basin." (American Journal of Science, Nov., 1917.)

MacLean, A.—"Southeastern Saskatchewan." (Summary Report, Geo. Sur. Can. for 1916.)

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Department of Italian and Spanish.

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Department of Oriental Languages.

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Department of Mechanical Engineering.

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Cotton, J. H.—"Anæsthesia from Commercial Ether-Administration and What It is Due to." (The Canadian Medical Journal, June, 1918.)

Campbell, W. R.—"Observations on Acute Mercuric Chloride Poisoning." (Archives of Internal Medicine, 1917, XX, p. 919.)

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"Protein Milk in Infant Feeding." (Journal Canadian Medical Association.)
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"Growth and Peculiarities of Thorax in Children."
"Practical Significance of Measurements of Thorax in the Newborn."
"Growth of the Thorax in Older Children."
"Breathing of Children: Bronchi and Lungs." (W. B. Saunders, Chicago.)
"Anatomical Peculiarities of the Lungs."
"Microscopic Appearance of the Lungs."
"Volume of the Lungs."
"Weight of the Lungs."
"Acute and Chronic Bronchitis."
"Atelectasis."
"Asthma."
"Emphysema." (W. B. Saunders, Chicago.)

Department of Surgery.

Hair, Chas. H.—"The Importance of Renal Functional Tests in Surgery."
Hay, S. M.—"Some Points in the Technique of Gastro-intestinal Operations." (Canadian Medical Quarterly.)
Gallie, W. E.—"The Use of Boiled Bone in Surgery." (Journal of the American Orthopædic Association, 1918.)
Gallie, W. E., and Robertson, D. E.—"The Transplantation of Bone." (Journal of the American Medical Association, 1918.)
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"Forestry and the War." (Journal of Forestry, XVI, 1918, No. 2.)
Howe, C. D.—"Forest Regeneration on Certain Cut-over Pulpwood Lands in Quebec." (Ninth Annual Report Commission of Conservation, Ottawa, 1918.)

Faculty of Education.

"The School."—A magazine devoted to elementary and secondary education in Canada, published by the members of the Staff of the Faculty of Education.

Jones, G. M.—"The Development of the Imperial Conference." (16 page pamphlet.)

Sandiford, P.—"Comparative Education: Studies of the Educational Systems of Six Modern Countries." (J. M. Dent & Sons, 1918.)

SUPERINTENDENT'S REPORT

Buildings.

With the exception of absolute essentials the expenditure on buildings has been kept to the lowest limit.

Fifteen University buildings, together with Hart House, Wycliffe College, Burwash Hall, and Burwash Residences, have been occupied wholly or in part by the Royal Air Force, Canadian Army Medical Corps, Vocational Training of Soldiers, School of Therapy, Base Hospital Supply Association, Secours National and other war organizations.

The Invalid Soldiers' Commission has, with the permission of the Board of Governors, converted the old museum in the Mining Building into commodious quarters for the School of Therapy.

I am taking up with the Imperial Munitions Board the question of restoration of the property of the University after it is vacated by the Royal Air Force.

Grounds.

Owing to the grounds being largely used by the Royal Air Force it has been impossible to keep them in any state of repair. Some alterations were, however, made in the roadways which tend to a general improvement, and a beginning has been made in the grading of the ravine south of Hart House in an endeavour to assimilate it with the part north of the Library.

An extensive report on the grounds, made by Mr. Fleming, of Buffalo, has at last been completed, and has been accepted by the Board of Governors in principle.

Domestic Telephones.

This matter was considered by a Committee of the Board in all its aspects, and while no definite action was recommended, owing to the financial stringency, the general scheme was approved.

The Massey estate has installed the Automatic Telephone System for Hart House, which I hope may become the nucleus of a general scheme.

Clocks and Bells.

Professor Price, of the Department of Electrical Engineering, has been working for the past year on a system of clocks and time bells for the whole of the University Buildings. Progress has been made in this by the expenditure of certain moneys obtained by the disposal of waste material and the sale of disused boilers, pumps, etc.

Use of Laboratories.

No definite action in reference to the use of the scientific laboratories by persons not connected with the University has been taken.

As this question often gives rise to misunderstandings, it would be advisable that some general rules of procedure should be adopted.

Superannuation of Employees.

A report on this subject has recently been placed before the Board of Governors with the object of providing for those employees who have served the Board faithfully, and who are compelled to retire owing to sickness or old age.

Central Heating Plant.

The increased cost of heating and lighting during the past year was not unexpected. The great increase in the cost of fuel, the doubling of the cost of many materials used in the maintenance and repairs of the system, and an unusually long and severe winter, increased the cost from 21.29 cents to 43.93 cents per square foot of radiation.

As an example of the great increase, due principally to the shortage of labour, in 1915-16 the cost of delivery of coal from the tracks to the heating plant was 33 cents per ton, while in 1917-18 this had risen to $1.05.

No progress has been made in obtaining storage accommodation for our coal supply, and this with the question of motor haulage of coal should receive attention.

The comparative tables for the year 1916-17 and 1917-18 are appended:—

POWER HOUSE.

	1916–17	1917–18
Maximum daily consumption	73 tons	72 tons
Maximum weekly consumption	399 "	440 "
Average daily consumption, Sept. 25th to Oct. 31st	16.1 "	16.9 "
November	23.9 "	33.2 "
December	41.2 "	52.0 "
January	46.4 "	56.9 "
February	35.0 "	51.6 "
March	35.0 "	33.2 "
April	25.8 "	28.5 "
May	10.3 "	11.0 "
Total consumption	7199.29	8575.095
Cost	$29,391.38	$77,476.81
Load in square feet of radiation	207,114	210,268

TEMPERATURES.

	1916–17		1917–18	
October	49.5	3.00 above	44.6	2.0 below
November	37.6	1.60 "	34.6	1.5 "
December	26.9	.80 "	19.5	6.6 "
January	22.6	1.70 "	13.2	8.6 "
February	17.2	5.00 below	21.1	1.4 "
March	32.1	3.40 above	33.6	4.9 above
April	41.1	.10 below	43.6	2.5 "
May	54.3	1.90 above	57.1	4.7 "
Yearly average		.91 above		.10 below
Total cost of operation	$44,110.73		$92,367.09	
Cost per square foot of radiation	21.298		43.933	

1916–17. Buildings were closed from February 14th to March 5th.

1917–18. Convocation Hall was temporarily closed from February 7th to April 2nd. The Museum was temporarily closed from February 2nd to March 18th. The buildings were closed by request of the Fuel Controller February 9th, 10th and 11th.

Buildings.	1916–17		1917–18		1916–17		1917–18	
	Square ft. of radiation in buildings.	Percentage charge.	Square ft. of radiation in buildings.	Percentage charge.	Light.	Heat.	Light.	Heat.
					$ c.	$ c.	$ c.	$ c.
Main	12,952	7,930	12,952	8,619	530 88	2,938 40	390 00	7,372 49
Gymnasium	.....	.....	.....	.....	81 16	.....	65 35	.....
Hart House	12,000	4,988	15,329	5,424	177 65	1,848 27	352 58	4,639 56
Library	10,865	4,751	10,865	4,384	91 10	1,622 95	68 52	3,612 47
Univ. Press	.....	.....	.....	.....	300 00	92 50	300 00	92 50
Stu. Bk. Dept.	.....	.....	.....	.....	2 10	45 00	2 10	45 00
Medical	7,288	4,790	7,328	3,992	425 68	1,774 90	391 92	3,414 66
Biological	8,271	3,573	8,271	3,252	122 28	1,323 95	200 74	2,781 69
Engineering	9,418	3,602	9,418	3,953	325 28	1,334 70	391 26	3,381 30
Electrical	.....	.....	.....	.....	678 68	.....	642 42	.....
Thermodynamics	5,934	1,189	5,416	2,366	98 34	440 58	76 14	2,023 82
Observatory	674	320	674	299	6 05	118 57	25 89	255 76
Mining	13,721	7,202	13,881	6,840	718 58	2,668 65	629 88	5,850 78
Furnace	.....	.....	.....	.....	99 00	.....	34 86	.....
Milling	.....	.....	.....	.....	29 40	.....	37 40	.....
Chemical	6,635	3,261	6,635	3,207	100 40	1,208 34	102 54	2,743 19
Physics	19,648	7,666	19,648	6,864	679 20	2,840 58	517 58	5,871 30
Convocation	6,689	2,928	6,689	2,506	156 32	1,084 95	37 60	2,143 57
Men's Res	9,336	5,066	9,336	5,717	505 70	1,877 17	363 24	4,890 19
No. 4 Queen's Pk	.....	.....	.....	.....	61 78	.....	81 02	.....
No. 184 College St	.....	.....	.....	.....	21 40	.....	29 26	.....
Univ. Col. Wom. Un	.....	.....	.....	.....	13 21	.....	28 47	.....
Household Science	10,137	5,351	10,137	5,448	146 72	1,982 77	140 88	4,660 09
Museum	17,183	6,598	17,183	5,270	108 86	2,444 84	100 36	4,507 83
Social Service	.....	.....	.....	.....	8 52	.....	6 66	.....
Grounds	.....	.....	.....	.....	250 00	.....	250 00	.....
Wycliffe Coll	12,371	7,009	12,371	8,018	194 40	2,597 13	312 20	6,858 41
Victoria Coll	9,028	4,393	9,028	3,822	121 50	1,627 79	130 92	3,269 25
Victoria Coll. Lib	4,021	1,762	4,021	1,613	9 68	652 90	28 62	1,379 72
Annesley Hall	4,274	2,755	4,274	2,938	142 04	1,020 85	114 98	2,513 10
Burwash Hall	8,234	5,272	8,377	6,134	387 18	1,953 50	430 06	5,246 88
Burwash D. Hall	.....	.....	.....	.....	234 36	.....	325 82	.....
Knox College	18,435	9,594	18,435	9,334	229 00	3,554 99	219 80	7,984 08
Totals	207,114	100,000	210,268	100,000	7,056 45	37,054 28	6,829 45	85,537 64

October 15th, 1918.

AUDITOR'S REPORT.

TORONTO, 23rd October, 1918.

To the Governors of the University of Toronto:

GENTLEMEN,—Herewith I present the Financial Statement of the University for the fiscal year ending 30th June, 1918, and beg to report that all the transactions of the year upon Revenue Account and Capital Account have been duly audited and approved of.

Yours faithfully,

(Signed) G. T. CLARKSON,

Auditor.

FINANCIAL STATEMENT.

APPENDIX I.

Balance Sheet, 30th June, 1918.

Funds.

General Endowments Fund	Schedule 1	$5,867,579 00	
Specific Endowment Funds	" 2	133,885 02	
Retirement Fund	" 3	25,433 04	
Trust Funds	" 4*a*	84,815 91	
Equipment Funds	" 4*b*	58,186 47	
Annuity Debentures	" 4*c*	957,380 50	
Contingent Funds	" 5*a*	78,504 64	
Fees paid in advance		306 00	
			$7,206,090 58

Assets.

Site Lands, Buildings and Contents	Schedule 6	$5,548,582 81	
Unproductive Lands	" 7	59,750 00	
Leased Properties	" 8	644,803 24	
Investments, Cash and Accounts Receivable	" 9	701,951 73	
Royal Ontario Museum Investment		251,002 80	
			$7,206,090 58

Schedule 1.

General Endowments Fund.

Additions for 1917-18:			
Convocation Hall Advance:			
Restoration from proceeds of Wild Lands sales, twelfth instalment		$2,179 36	
Annuity Debentures:			
Portion of 1917-18 instalments reducing principal:			
Ninth instalment, issue of July, 1909	$7,200 57		
Seventh instalment, issue of January, 1911	1,734 00		
Seventh instalment, issue of January, 1911	4,001 00		
Third instalment, issue of April, 1915	1,121 80		
		$14,057 37	
Central Power Plant:			
Repayment during the year from Revenue Account (seventh instalment)		20,208 00	
Increased capitalization of Lots 12, 13 and 14 University Park, to place upon basis of 40 cents per superficial foot and instalments of purchase of buildings thereon from Beatty Estate (Schedule 8)		11,914 89	
Education Building Annex:			
Expenditure during year upon building	$6,698 63		
Furnishings, etc.	1,775 91		
		8,474 54	
Building No. 8 Queen's Park, third of ten instalments paid on purchase		750 00	
Building No. 184 College Street, second of ten instalments paid on purchase		500 00	
Connaught Laboratories, entry to list account in Schedule 6		1 00	
Library proper:			
Additions for 1917-18, less depreciation		573 10	
			$58,658 26
Fund of 30th June, 1917			5,808,920 74
Fund of 30th June, 1918			$5,867,579 00

SCHEDULE 2.

Specific Endowment Funds (Scholarships, Prizes, Etc.).

Blake Matriculation	$30,108 72	
Mackenzie Memorial	18,584 60	
McCharles Bequest	11,722 59	
James H. Richardson Research Fellowship	10,000 00	
Starr Bequest	6,102 46	
Pearson Kirkman Marfleet Lectureship	5,900 00	
George Brown, Medical Science	5,391 72	
Young Memorial	4,068 26	
Blake, Science and Moderns	3,750 00	
Fulton Bequest	3,351 30	
George A. Peters Scholarship	2,900 00	
Mary Mulock, Classics	2,838 74	
Gibson, Matriculation	2,705 00	
A. A. A. S. Scholarship, Physics	2,350 00	
All Souls Historical Essay Prize	2,100 00	
John Macdonald, Philosophy	2,080 00	
Moss, Classics	2,000 00	
William Mulock, Classics and Mathematics	2,000 00	
Daniel Wilson, Natural Science	2,000 00	
Sundry Graduate Fellowships	1,625 00	
Bankers', Political Science	1,200 00	
George Brown, Modern Languages	1,128 34	
Balmer, Science	1,090 00	
G. R. R. Cockburn, Greek	1,050 00	
Quebec Bonne Entente Prize	1,050 00	
Porter Scholarship, University Schools	1,027 50	
William Ramsay, Political Economy	1,009 42	
Julius Rossin, German	1,000 00	
Prince of Wales, General Proficiency	950 00	
Anna Howe Reeve Prize	625 00	
Chappell Prize	516 35	
Flavelle Travelling Fellowship	500 00	
Lyle Medal	370 02	
Squair French Prose Prize	260 00	
R. A. Reeve Scholarship	250 00	
Boiler Inspection and Insurance Company Scholarship	130 00	
Board of Trade, Commerce and Finance	100 00	
Reading Camp Association Prize	50 00	
Ledger balances on 30 June, 1918		$133,885 02
Return of 30 June, 1917	$129,520 50	
Interest written to endowments	3,760 52	
Income from bonds, and other receipts during year	6,728 50	
	$140,009 52	
Scholarship expenditures	6,124 50	
Return of 30 June, 1918		$133,885 02

SCHEDULE 3.

Retirement Fund, Beneficiaries, 30 June, 1918.

W. Lash Miller	$8,134 04	
T. L. Walker	6,996 33	
W. A. Parks	3,278 58	
J. W. Bain	2,615 33	
H. W. Price	1,986 47	
E. M. Walker	1,595 46	
J. Christie	826 83	
		$25,433 04

Retirement Fund, Beneficiaries, 30 June, 1918.—Continued.

Fund of 30 June, 1917		$34,964 00	
Contributions 1917-18		2,001 24	
Interest		749 73	
Interest from War Loan Bonds		632 50	
		$38,347 47	
Withdrawals:			
W. H. Ellis	$4,928 44		
A. P. Coleman	4,924 25		
J. C. Fields	3,061 74		
		12,914 43	
Return of 30 June, 1918			$25,433 04

SCHEDULE 4*a*.

Trust Funds.

King Alfred Millenary Fund (Library)	$11,566 63	
Phillips Stewart Bequest (Library)	1,602 48	
John Squair French Library Fund	1,134 50	
Alexander Edwin Hamilton Library Fund	840 00	
University Studies	3,692 61	
E. C. Walker Bequest (Residences)	26,787 71	
Fulford Estate Donation (Base Hospital)	1,831 72	
Massey Treble Bequest, Household Science	4,750 00	
Mary A. Simpson Bequest (not allocated)	1,379 31	
Medical Research Fund	19,522 45	
Dental Research Fund	1,000 00	
Experimental Laboratories Research Fund	1,000 00	
Ontario Archæology Special Fund	485 00	
McCormick Fund, Social Service Department	2,000 00	
Microscopes Fund, Pathology	2,400 00	
Special Investigation Fund, Pathology	1,317 50	
John Langton Memorial	30 00	
University Schools Memorial	411 00	
Sundry Deposits:		
Men's Residences	225 00	
Women's Residences	770 00	
Keys	70 00	
R. J. Hamilton	2,000 00	
		$84,815 91

Return of 30 June, 1917	$93,436 09	
Interest appropriations	1,768 17	
Receipts:		
Massey Treble Bequest	4,750 00	
A. E. Hamilton Library Fund	40 00	
University Studies	372 78	
Microscopes Fund, Pathological Department	1,080 00	
Special Investigations Fund, Pathology	2,000 00	
Dental Research Fund	1,000 00	
University Schools Memorial	411 00	
Men's Residence Deposits	15 00	
Women's Residence Deposits	395 00	
Summer Session Deposits	45 00	
Key deposits	55 00	
		$105,368 04
Expenditures:		
Phillips Stewart Bequest	$35 55	
University Studies	11 00	
Medical Research Fund	1,067 50	
Experimental Laboratories Research Fund	1,000 00	
Investigations Fund, Pathology	682 50	
Fulford Estate Donation	16,657 50	
Men's Residence Deposits	258 08	
Women's Residence Deposits	265 00	

Trust Funds.—Continued.

Summer Session Deposits	505 00	
Key Deposits	70 00	
		20,552 13
Return of 30 June, 1918		$84,815 91

SCHEDULE 4*b*.

Equipment Funds.

University Press Surplus Account:		
Balance of 30 June, 1917	$5,388 73	
Net addition for year 1917-18 as per Appendix IV	3,316 90	
Balance on 30 June, 1918		$8,705 63
Connaught and Antitoxin Laboratories:		
Balance on 30 June, 1917, of Antitoxin Laboratory Surplus Account	$21,639 62	
Net addition for year 1917-18 as per Appendix V after creation of Research Fund	2,894 27	
	$24,533 89	
Connaught Laboratories Research Fund as per Appendix V.	24,183 92	
Balance on 30 June, 1918		48,717 81
Convocation Hall Organ Fund:		
Balance on 30 June, 1917	$412 60	
Surplus music fees transferred	677 41	
	$1,090 01	
Expenses of recitals and upkeep, 1917-18	326 98	
Balance on 30 June, 1918		763 03
		$58,186 47

SCHEDULE 4*c*.

Annuity Debentures.

Issue of July, 1909, $500,000, repayable in forty equal annual amounts of $25,260 each.	
Value as on 30 June, 1918, of the (thirty-one) outstanding instalments	$444,285 21
Issue of January, 1911, under 1 George V, Cap. 80, for construction of Pathological building, $130,000, repayable in forty equal annual amounts of $6,568 each.	
Value as on 30 June, 1918, of the (thirty-three) outstanding instalments	119,195 00
Accrued on 30 June, 1918, of eighth payment and charged to Revenue, 1917-18	3,284 00
Issue of January, 1911, under 1 George V, Cap. 80, as a grant towards construction of Toronto General Hospital, $300,000, repayable in forty equal annual instalments of $15,157 each.	
Value as on 30 June, 1918, of the (thirty-three) outstanding instalments	275,066 00
Accrued on 30 June, 1918, of eighth payment and charged to Revenue, 1917-18	7,578 50
Issue of April, 1915, under R.S.O. 1914, Cap. 279, to provide for the payment of $100,000 to the Hart A. Massey Estate towards the Gymnasium portion of Hart House, $110,000, repayable in forty equal annual instalments of $5,975 each.	
Value as on 30 June, 1918, of the (thirty-seven) outstanding instalments	106,726 99
Accrued on 30 June, 1918, of fourth payment and charged to Revenue, 1917-18	1,244 80
	$957,380 50

SCHEDULE 5*a*.

Contingent Funds.

Contingent Fund (Investment Reserve):			
Fund as per last report			$22,603 15
Sundry Ledger Balances (Items in suspense):			
Pathological Building, Heat and Light	$3,500 00		
Contingent Repairs (Military)	150 00		
Royal Ontario Museum, Special Account	3,866 05		
		$7,516 05	
Less:			
Superintendent's Stores Account (Merchandise)	$2,647 01		
Fire Loss, 69 St. George Street	12 00		
		2,659 01	
			4,857 04
Special Grant received from Provincial Government		$200,000 00	
Balance on hand from previous special grants		17,802 38	
		$217,802 38	
Deficit upon Revenue Account, 1917-18, as per Schedule 5*b*.		166,757 93	
Balance unappropriated on 30 June, 1918			51,044 45
			$78,504 64

SCHEDULE 5*b*.

Revenue, 1917-18.

Receipts.

		Estimate.	Actual.
Legislative Grant, University Act, 1906		$500,000 00	$500,000 00
Legislative Grant, 60 Vict., Cap. 59		7,000,00	7,000 00
Grant by Provincial Government on account of Faculty of Education (inclusive of $9,000 due, carried in Accounts Receivable)		15,000 00	15,000 00
Grant by Provincial Government for special course in Household Science due and carried in Accounts Receivable		4,500 00	4,257 00
Fees, University and College, as detailed in Appendix II.		185,000 00	185,573 43
Interest:			
On Purchase Moneys		1,650 00	1,666 19
On Loans		900 00	994 84
On Debentures		10,500 00	11,219 28
On War Loan Bonds		5,875 00	6,713 70
On Bank Balances		3,000 00	1,651 05
Sundry Investment Earnings		.....	317 18
Rentals:			
University Park ground leases		18,000 00	18,786 02
City of Toronto payment		6,000 00	6,000 00
Business properties		6,870 00	7,145 88
Sundry Houses, etc.		2,500 00	2,395 67
Sundry Land Earnings		.....	20 00
Men's Residences (receipts from military)		9,000 00	11,529 57
Women's Residence Dues		21,500 00	22,179 30
Dining Hall (receipts from military)		31,250 00	63,197 05
University College Women's Union:			
Membership fees		1,200 00	1,464 00
Receipts from rooms and meals		5,700 00	6,732 55
Central Power Plant Receipts:			
Wycliffe, Victoria and Knox Colleges	$34,050 98		
Royal Ontario Museum	4,608 19		
Sundry Accounts	4,096 27		
		27,000 00	42,755 44
Casual Revenue		.....	292 00
		$862,445 00	$916,890 15

Expenditures.

	Estimate.	Actual.
1. Administration	$149,700 00	$141,694 98
2. Faculty of Arts	289,089 50	277,313 41
3. Faculty of Medicine	92,091 00	94,994 26
4. Faculty of Applied Science	125,905 00	117,244 61
5. Faculty of Household Science	17,455 00	16,969 81
6. Faculty of Education	89,300 00	89,866 94
7. Faculty of Forestry	11,625 00	10,371 00
8. University Extension and Social Service	9,975 00	8,368 51
9. Residences and Dining Hall	68,265 00	94,701 91
10. Royal Ontario Museum	17,500 00	17,831 37
11. Central Power Plant	70,000 00	92,497 56
12. Contingencies	5,000 00	1,380 81
13. Capital Account Charges	74,418 00	75,994 81
14. Special Research	15,000 00	11,994 97
15. Toronto General Hospital, Special Grant	.....	25,000 00
Total as per Appendix III.	$1,035,323 50	$1,076,224 95
Interest written to Scholarship and other Funds	8,000 00	7,423 13
	$1,043,323 50	$1,083,648 08
Receipts as above	862,445 00	916,890 15
Expenditure in excess of receipts, carried to Schedule 5*a*	$180,878 50	$166,757 93

SCHEDULE 6.

Site Lands, Buildings and Contents.

Site Lands:		
2,666,220 sq. feet at forty cents per foot	$1,066,488 00	
160,083 sq. feet at cost price	141,548 00	
2,826,303 sq. feet		$1,208,036 00
Buildings:		
Household Science building	$455,000 00	
Main building	450,000 00	
Chemistry and Mining, with adjacent building	384,736 89	
Physics building	363,945 85	
Library building	327,425 50	
Convocation Hall and Examination Wing	214,866 22	
Education building	184,383 47	
Education building Annex	6,698 63	
Pathological building	169,694 38	
Medical building	165,000 00	
Biological building	129,745 30	
Thermodynamics building	119,017 21	
Chemical building	77,469 88	
Engineering building	50,000 00	
Forestry building	30,101 65	
Geodetic Observatory building	12,000 27	
Social Service building	7,500 00	
Men's Residences	170,000 00	
Women's Residences	69,222 06	
University College Women's Union	13,521 18	
Y. M. C. A. building	1 00	
	$3,400,329 49	
Less balances of purchase money yet due on Social Service building and Women's Residence, 184 College Street	9,250 00	
		$3,391,079 49
Library	$216,339 28	
Museum Specimens	1 00	
Convocation Hall Organ	19,603 11	
		235,943 39

Site, Lands, Buildings and Contents.—Continued.

Departmental Equipment:			
1. Faculty of Arts:			
Physics		$29,250 00	
Chemistry		14,040 00	
Physiology		12,500 00	
Mineralogy		10,145 00	
Geology		7,505 00	
Biology		6,131 25	
Botany		5,500 00	
Psychology		2,700 00	
Astro-Physics		1,635 00	
Mechanics		750 00	
Mathematics		500 00	
2. Faculty of Medicine:			
Pathology		18,440 56	
Chemical Pathology		7,925 74	
Pharmacology		2,430 00	
Anatomy		1,340 00	
3. Faculty of Applied Science:			
Electrical Engineering		30,923 00	
Mining		16,270 00	
Surveying		12,980 00	
Architecture and Drawing		10,830 00	
Applied Chemistry		10,114 00	
Applied Mechanics		10,075 00	
Thermodynamics and Hydraulics		10,000 00	
Physics and Photography		4,127 00	
4. Faculty of Household Science		19,000 00	
5. Faculty of Education		10,000 00	
			$255,111 55
Furniture and Furnishings:			
Men's Residences		$13,198 30	
Women's Residences		9,029 79	
University College Women's Union		950 00	
Education Building Annex		1,775 91	
General furniture, various buildings		11,938 00	
			36,892 00
Athletic Field Stadium and equipment			21,817 88
Gymnasium equipment			1,800 00
Dining Hall equipment			1 00
Printing Plant			1 00
Antitoxin Laboratory Plant			1 00
Connaught Laboratories			1 00
Central Power Plant			397,898 50
Total valuation			$5,548,582 81
Return of 30 June, 1917			$5,539,158 19
Additions thereto:			
Library proper:			
Value of additions for 1917-18 as reported by the Librarian	$7,264 00		
Less depreciation at 3% on $223,030.18	6,690 90		
		$573 10	
Education Building Annex:			
Expended on alterations to building corner of Bloor Street and Spadina Avenue	$6,698 63		
Furnishings, etc.	1,775 91		
		8,474 54	
Connaught Laboratories:			
To open account for record		1 00	
Instalments paid on balances due on purchase of buildings Nos. 8 Queen's Park and 184 College Street		1,250 00	
			10,298 64
			$5,549,456 83

Contra.

Women's Residences, Furniture, etc.:		
Written off by application of credit from sales of wild lands set apart for Women's Residences	$419 55	
Men's Residences, Furniture, etc.:		
Item sold	5 00	
Athletic Field Stadium, etc.:		
Repayment by Athletic Association on account of principal due by them	449 47	
		874 02
Return of 30 June, 1918		$5,548,582 81

SCHEDULE 7.

Unproductive Lands.

Vacant Land in Port Hope	$8,445 00	
Vacant Land in Belleville	1,183 00	
Endowment Lands unsold in various townships	152 00	
U. C. C. Block on King Street	49,970 00	
		$59,750 00

Transactions, 1917-18.

Upper Canada College Block:		
Taxes paid *re* widening of Duncan Street (1918)	$19 83	
Return of 30 June, 1917	59,830 17	
	$59,850 00	
Less Belleville Lot, sold	100 00	
Return of 30 June, 1918		$59,750 00

SCHEDULE 8.

Leased Properties.

Victoria College Site	$1 00	
Knox College Site	4,714 40	
Wycliffe College Site	22,000 00	
Land leased to City of Toronto	120,000 00	
Park Land leased	367,004 00	
Toronto Business Properties	61,401 00	
Caradoc Farm	2,700 00	
		$577,820 40
House and land, 47 St. George Street	$10,172 95	
House and land, 69 St. George Street	20,000 00	
Building, No. 8 University Crescent	14,842 75	
Building, No. 719 Spadina Avenue	4,000 00	
Building, No. 721 Spadina Avenue	4,023 51	
Building, No. 6 Queen's Park	2,248 89	
		$55,288 10
Rentals accrued, but not due	$9,332 29	
Rentals past due	420 00	
City of Toronto payment accrued	1,500 00	
Wycliffe College pavement	442 45	
		11,694 74
		$644,803 24

Leased Properties.—Continued.

Return of 30 June, 1917	$632,094 66	
Addition to capitalized value of Lots 12, 13 and 14 University Park, to place upon basis of 40 cents per superficial foot ($19,166, less already entered, $9,500)	9,666 00	
Payments thus far made upon purchase of buildings thereon	2,248 89	
Increase in rentals outstanding	793 69	
Return of 30 June, 1918		$644,803 24

SCHEDULE 9.

Investments, Cash and Accounts Receivable.

Debentures and Municipal Bonds		$254,858 38	
Interest accrued but not due		4,272 57	
			$259,130 95
Loans secured by mortgages on real property		$14,098 90	
Interest accrued but not due		105 82	
			14,204 72
Unpaid purchase money upon land sales		$25,500 00	
Interest accrued but not due		382 38	
			25,882 38
Canadian War Loan and Province of Ontario Bonds		$160,079 84	
Interest accrued but not due		546 21	
			160,626 05
Home Bank of Canada shares			800 00
Dominion Power and Transmission Co., shares			2,000 00
Advance to Royal Ontario Museum Board for salaries and expenses for the year 1917-18		$35,662 74	
Less University's share charged to Revenue		17,831 37	
Payable by Provincial Government			17,831 37
Balance of grant due by Provincial Government for 1917-18: Faculty of Education ($9,000.00, less amount on hand from superannuation deductions, $507.25)			8,492 75
Accounts Receivable:			
University Press		$4,718 59	
Department of Photography		32 35	
Antitoxin Laboratory		10,327 44	
Miscellaneous labor and material		1,979 60	
			17,057 98
Central Power Plant:			
Victoria College Account:			
Share of operating expenses, 1917-18	$13,439 35		
Interest, sinking fund and rental charges	3,218 72		
		$16,658 07	
Wycliffe College Account:			
Share of operating expenses, 1917-18	$7,170 61		
Interest, sinking fund and rental charges	543 12		
	$7,713 73		
Less paid on account	1,770 37		
		5,943 36	
Knox College Account:			
Share of operating expenses, 1917-18	$8,203 88		
Interest, sinking fund and rental charges	1,475 30		
		9,679 18	
			32,280 61
Canadian Bank of Commerce, on deposit			163,644 92
			$701,951 73

Transactions, 1917-18.

Inwards.

Debentures redeemed	$13,611 19	
Mortgage loans repaid	1,251 76	
Purchase money collections	100 00	
Withdrawals from Canadian Bank of Commerce	1,340,850 15	
Decrease in accrued revenue	907 42	
		$1,356,720 52

Outwards.

Debenture investments	$50,211 44	
War Loan investments	35,109 52	
Land Sale	100 00	
Deposits in Canadian Bank of Commerce	1,343,010 04	
Increase in accounts outstanding	13,754 21	
		1,442,185 21
		$85,464 69
Return of 30 June, 1917		616,487 04
Return of 30 June, 1918		$701,951 73

APPENDIX II.

Fees, 1917-18.

Balance brought forward from 1916-17		$698 00	
Total of fees collected, 1917-18		197,690 34	
			$198,388 34
Less:			
Sundry refunds during year		$1,788 50	
Paid to Students' Administrative Council, Council fees		2,107 00	
Paid to Hospitals, fees payable from Students in Medicine:			
Toronto General	$3,495 00		
St. Michael's	813 25		
Sick Children's	773 35		
Western	303 40		
		5,385 00	
Paid to Hamilton Conservatory of Music, *re* Local Examination Candidates from that centre		7 00	
Transferred to University College Women's Union		1,464 00	
Transferred to Microscopes Account		1,080 00	
Fees paid in advance for 1918-19		306 00	
			12,137 50
			$186,250 84

Carried to Organ Fund (Schedule 4*b*) surplus fees derived from Local Examinations in Music after payment of expenses	$677 41
Balance to Revenue Account (Schedule 5*b*)	185,573 43
	$186,250 84

Details of Fees Received.

Subject.	1st year.	2nd year.	3rd year.	4th year.	5th year.	Miscellaneous.	Total.
I. Faculty of Arts:	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Tuition	8,697 00	4,663 00	4,982 00	4,678 00	.....	850 00	23,870 00
Dispensations (University College)	.....	20 00	15 00	5 00	.....	.....	40 00
Dispensations (University)	5 00	40 00	29 00	10 00	.....	.....	84 00
Honor Certificates	.....	.....	.....	1 00	.....	32 00	33 00
Matriculation	.....	.....	.....	.....	.....	924 00	924 00
Ad Eundem	.....	40 00	25 00	.....	.....	.....	65 00
Examinations	3,780 65	4,234 00	3,680 00	2,890 00	.....	374 50	14,959 15
Degrees	.....	.....	.....	1,960 00	.....	.....	1,960 00
Laboratory Supplies	289 00	395 00	621 00	496 00	.....	.....	1,801 00
Library	774 00	466 00	476 00	390 00	.....	22 00	2,128 00
Gymnasi'm, Men's (including lockers)	12 00	.....	.....	.....	.....	17 25	29 25
Gymnasium, Women's (including lockers)	293 00	134 00	112 00	126 00	.....	97 94	762 94
Women's Union	410 00	283 00	300 00	297 00	.....	144 00	1,434 00
Penalties (University)	23 00	26 00	26 00	18 00	.....	11 00	104 00
Penalties (University College)	280 00	213 00	228 00	156 00	.....	61 00	938 00
Students' Council.	392 00	176 00	168 00	120 00	.....	.....	856 00
	14,955 65	10,690 00	10,662 00	11,147 00	.....	2,533 69	49,988 34
II. Faculty of Medicine:							
Tuition	20,458 00	12,246 00	10,970 00	8,531 00	12,737 00	2,740 00	67,682 00
Matriculation	5 00	.....	.....	.....	.....	.....	5 00
Ad Eundem	.....	50 00	20 00	40 00	20 00	.....	130 00
Honor Certificates	.....	.....	1 00	.....	.....	10 00	11 00
Examinations	1,580 00	1,090 00	980 00	840 00	1,030 00	.....	5,520 00
Degrees	.....	.....	.....	.....	1,860 00	100 00	1,960 00
Laboratory Supplies	1,256 00	1,056 00	243 00	320 00	475 00	.....	3,350 00
Library	314 00	192 00	162 00	128 00	190 00	.....	986 00
Gymnasium (Women's)	18 00	.....	.....	.....	.....	.....	18 00
Women's Union	16 00	.....	.....	3 00	4 00	.....	23 00
Penalties	75 00	103 00	113 00	75 00	103 00	.....	469 00
Students' Council.	288 00	182 00	161 00	108 00	182 00	.....	921 00
Microscopes	.....	420 00	180 00	300 00	120 00	60 00	1,080 00
	24,010 00	15,339 00	12,830 00	10,345 00	16,721 00	2,910 00	82,155 00
III. Faculty of Applied Science:							
Tuition	6,161 00	3,372 00	2,603 00	2,509 00	.....	.....	14,645 00
Honor Certificates	.....	.....	.....	.....	.....	1 00	1 00
Examinations	700 00	440 00	580 00	300 00	.....	40 00	2,060 00
Degrees	.....	.....	.....	210 00	.....	30 00	240 00
Ad Eundem	.....	10 00	10 00	.....	.....	.....	20 00
Library	140 00	68 00	52 00	46 00	.....	.....	306 00
Gymnasium	4 00	4 00	.....	.....	.....	.....	8 00
Women's Union	4 00	.....	.....	.....	.....	.....	4 00
Penalties	30 00	12 00	19 00	16 00	.....	.....	77 00
Students' Council.	138 00	72 00	52 00	50 00	.....	.....	312 00
	7,177 00	3,978 00	3,316 00	3,131 00	.....	71 00	17,673 00

Details of Fees Received.—Continued.

Subject.	1st year.	2nd year.	3rd year.	4th year.	5th year.	Miscellaneous.	Total.
IV. Faculty of Education:	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Tuition (Teachers in training)	.....	.....	.....	.....	.....	6,610 00	6,610 00
Dispensation from teaching in Province of Ontario	.....	.....	.....	.....	.....	500 00	500 00
Honor Certificates	.....	.....	.....	.....	.....	21 00	21 00
Examinations	.....	.....	.....	.....	.....	562 00	562 00
Degrees	.....	.....	.....	.....	.....	45 00	45 00
Gymnasium (Women's)	.....	.....	.....	.....	.....	16 00	16 00
University Schools:	.....	.....	.....	.....	.....	7,754 00	7,754 00
Tuition	.....	.....	.....	.....	.....	24,686 00	24,686 00
	.....	.....	.....	.....	.....	32,440 00	32,440 00
V. Faculty of Forestry:							
Tuition	187 00	18 00	.....	144 00	.....	.....	349 00
Examinations	50 00	.....	.....	40 00	.....	10 00	100 00
Laboratory Supplies	36 00	.....	.....	32 00	.....	.....	68 00
Library	10 00	8 00	.....	8 00	.....	.....	26 00
Degrees	.....	2 00	.....	20 00	.....	10 00	32 00
Penalties	6 00	.....	.....	.....	.....	.....	6 00
Students' Council	10 00	2 00	.....	6 00	.....	.....	18 00
	299 00	30 00	.....	250 00	.....	20 00	599 00
VI. University Extension and Social Service:							
(a) Summer Session:							
Lecture fees ($336, of which $238 paid in 1916-17)	.....	.....	.....	.....	.....	98 00	98 00
Lecture Fees (in advance for 1918-19)	.....	.....	.....	.....	.....	306 00	306 00
Correspondence Courses	.....	.....	.....	.....	.....	948 00	948 00
Teachers' Courses	.....	.....	.....	.....	.....	679 00	679 00
	.....	.....	.....	.....	.....	2,031 00	2,031 00
(b) Social Service:							
Lecture fees	.....	.....	.....	.....	.....	1,570 00	1,570 00
	.....	.....	.....	.....	.....	3,601 00	3,601 00

Details of Fees Received.—Continued.

VII. Departmental Fees.	Post Graduate Studies.	Law.	Dentistry.	Music. Mus. Bac.	Music. Local.	Pharmacy.	Veterinary Science.	Agriculture.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.	$ c.
Tuition	543 00	.....	.....	.....	.....	.....	3,200 00	.....	3,743 00
Matriculation	.....	25 00	580 00	20 00	.....	100 00	35 00	.....	760 00
Ad Eundem	.....	.....	10 00	.....	.....	.....	.....	.....	10 00
Registration	385 00	.....	.....	.....	.....	.....	.....	.....	385 00
Examinations	295 00	40 00	1,780 00	40 00	1,763 00	240 00	160 00	380 00	4,698 00
Degrees	295 00	20 00	170 00	.....	.....	200 00	95 00	350 00	1,130 00
Honor Certificates	.....	.....	.....	.....	501 00	.....	.....	.....	501 00
Library	4 00	.....	.....	.....	.....	.....	.....	.....	4 00
Women's Union	3 00	.....	.....	.....	.....	.....	.....	.....	3 00
	1,525 00	85 00	2,540 00	60 00	2,264 00	540 00	3,490 00	730 00	11,234 00

Summary of Fees.

I. Faculty of Arts:		
First year	$14,955 65	
Second year	10,690 00	
Third year	10,662 00	
Fourth year	11,147 00	
Miscellaneous	2,533 69	
		$49,988 34
II. Faculty of Medicine:		
First year	$24,010 00	
Second year	15,339 00	
Third year	12,830 00	
Fourth year	10,345 00	
Fifth year	16,721 00	
Miscellaneous	2,910 00	
		82,155 00
III. Faculty of Applied Science:		
First year	$7,177 00	
Second year	3,978 00	
Third year	3,316 00	
Fourth year	3,131 00	
Miscellaneous	71 00	
		17,673 00
IV. Faculty of Education:		
Teachers in training	$7,754 00	
University Schools	24,686 00	
		32,440 00
V. Faculty of Forestry:		
First year	$299 00	
Second year	30 00	
Fourth year	250 00	
Miscellaneous	20 00	
		599 00
VI. University Extension and Social Service:		
Miscellaneous	$3,601 00	
		3,601 00

Summary of Fees.—Continued.

VII. Departmental:		
Post Graduate Studies	$1,525 00	
Law	85 00	
Dentistry	2,540 00	
Music	2,324 00	
Pharmacy	540 00	
Veterinary Science	3,490 00	
Agriculture	730 00	
		11,234 00
		$197,690 34

Classification of Services.

Tuition Fees:		
Arts	$23,870 00	
Medicine	67,682 00	
Applied Science	14,645 00	
Education, Teachers in Training	6,610 00	
Education, University Schools	24,686 00	
Forestry	349 00	
Departmental	3,743 00	
Dispensations	624 00	
Honor Certificates	566 00	
Registration (Post Graduate)	385 00	
Matriculation	1,690 00	
Ad Eundem	225 00	
Examinations	27,899 15	
Degrees	5,367 00	
Laboratory Supplies	5,219 00	
Library	3,450 00	
Gymnasium	834 19	
Women's Union	1,464 00	
University Extension and Social Service	3,601 00	
Penalties	1,594 00	
Students' Council	2,107 00	
Microscopes Account	1,080 00	
		$197,690 34

Recapitulation.

	Gross.	Refunds and other Deductions.	Net.
University Fees proper	$54,769 34	$3,698 00	$51,071 34
University College Fees Proper	24,848 00	1,140 50	23,707 50
Medicine	67,682 00	6,500 00	61,182 00
Applied Science	14,645 00	145 00	14,500 00
Education, including University Schools	31,796 00	211 00	31,585 00
Forestry	349 00	.....	349 00
University Extension and Social Service	3,601 00	443 00	3,158 00
Balance brought forward from 1916-17	698 00	.....	698 00
	$198,388 34	$12,137 50	$186,250 84

APPENDIX III.

Revenue Expenditures, 1917-18.

	Appropriation.	Supplementary.	Unused.	Total.
I. Administration:				
1. Salaries	$70,875 00		$1,219 81	$69,655 19
2. Pensions	2,500 00			2,500 00
3. President's Office	250 00	$89 87		339 87
4. Bursar's Office	2,450 00	187 38		2,637 38
5. Registrar's Office	4,225 00		1,501 47	2,723 53
6. Superintendent's Office	650 00		8 98	641 02
7. Library	11,660 00		75 12	11,584 88
8. Gymnasium and Students' Union	6,050 00	1,256 03		7,306 03
9. Convocation Hall	2,390 00		391 96	1,998 04
10. Grounds	13,300 00		1,130 63	12,169 37
11. Examinations	12,500 00		3,000 79	9,499 21
12. Convocation Expenses	500 00		69 56	430 44
13. Receptions	500 00	179 17		679 17
14. Telephones	3,300 00		48 66	3,251 34
15. Insurance	8,500 00		211 30	8,288 70
16. Advertising Expenses	1,300 00		338 66	961 34
17. Aid to Publications and Societies	1,750 00		700 00	1,050 00
18. University Studies	2,500 00		1,543 24	956 76
19. Law Costs	500 00		199 47	300 53
20. Travelling Expenses	1,000 00	628 06		1,628 06
21. Senate Elections	.....			.....
22. Roll of Service	3,000 00	94 12		3,094 12
	$149,700 00	$2,434 63	$10,439 65	$141,694 98
II. Faculty of Arts:				
23. Salaries	$250,237 00		$8,630 21	$241,606 79
24. Retiring Allowances	1,387 50			1,387 50
25. Main Building	8,800 00		2,236 73	6,563 27
26. Biological Building and Department	5,835 00	$1,345 03		7,180 03
27. Sub-Department of Botany	3,350 00	465 26		3,815 26
28. Bio-Chemical Department	1,500 00		11 28	1,488 72
29. Physiological Department	1,650 00		30 80	1,619 20
30. Chemical Building and Department	3,210 00	139 67		3,349 67
31. Sub-Department of Physical Chemistry	300 00		22 13	277 87
32. Physics Building and Department	8,600 00		1,648 51	6,951 49
33. Sub-Department of Astro-Physics	850 00	59 86		909 86
34. Geological Department	400 00		16 41	383 59
35. Mineralogical Department	500 00		28 14	471 86
36. Psychological Department	500 00		100 12	399 88
37. Mathematical Department	30 00		26 55	3 45
38. Sub-Department of Mechanics	25 00		14 01	10 99
39. Political Science	75 00		55 48	19 52
40. History	75 00		54 80	20 20
41. Italian and Spanish	25 00		7 55	17 45
42. University College Departments	890 00		672 25	217 75
43. University College General Expenses	350 00		182 18	167 82
44. Trinity College Service	500 00		48 76	451 24
	$289,089 50	$2,009 82	$13,785 91	$277,313 41

Revenue Expenditures, 1917-18.—Continued.

	Appropriation.	Supplementary.	Unused.	Total.
III. Faculty of Medicine:				
45. Salaries	$71,446 00		$968 66	$70,477 34
46. Retiring Allowances	250 00		250 00	.....
47. Anatomy	2,500 00		427 17	2,072 83
48. Pathology and Bacteriology	1,725 00	$46 37		1,771 37
49. Chemical Pathology	1,500 00		43 46	1,456 54
50. Pharmacy and Pharmacology	455 00		24 91	430 09
51. Medicine	200 00		58 00	142 00
52. Surgery	300 00		201 50	98 50
53. Obstetrics and Gynaecology	300 00		172 43	127 57
54. Ophthalmology	100 00		100 00	.....
55. Oto-Laryngology	100 00		100 00	.....
56. Therapeutics	50 00		50 00	.....
57. Hygiene	950 00	6 40		956 40
58. Medical Jurisprudence	.....			.....
59. Medical Building	4,325 00	229 47		4,554 47
60. Pathological Building	5,890 00	4,769 28		10,659 28
61. General Expenses	2,000 00	247 87		2,247 87
	$92,091 00	$5,299 39	$2,396 13	$94,994 26
IV. Faculty of Applied Science:				
62. Salaries	$100,905 00		$5,577 82	$95,327 18
63. C. & M. Building	5,400 00		192 00	5,208 00
64. Engineering Building	3,795 00		392 62	3,402 38
65. Thermodynamics Building	1,825 00		33 92	1,791 08
66. Observatory Building	335 00		24 17	310 83
67. Electrical Engineering	2,880 00	$14 93		2,894 93
68. Mechanical Engineering	1,850 00		104 63	1,745 37
69. Applied Mechanics	500 00		338 03	161 97
70. Mining Engineering	800 00	23 81		823 81
71, Metallurgical Engineering	1,000 00		649 07	350 93
72. Ferro-Metallurgy	75 00		73 50	1 50
73. Surveying	450 00		64 46	385 54
74. Applied Chemistry	1,200 00		7 49	1,192 51
75. Electro-Chemistry	1,450 00		100 25	1,349 75
76. Architecture and Drawing	890 00		530 01	359 99
77. Engineering Physics and Photography	1,650 00		512 87	1,137 13
78. General Expenses	900 00		98 29	801 71
	$125,905 00	$38 74	$8,699 13	$117,244 61
V. Faculty of Household Science:				
79. Salaries	$10,900 00			$10,900 00
80. Household Science Building Department	6,555 00		$485 19	6,069 81
	$17,455 00		$485 19	$16,969 81
VI. Faculty of Education:				
81. Salaries	$64,350 00		$160 00	$64,190 00
82. Education Building and Department	24,950 00	$726 94		25,676 94
	$89,300 00	$726 94	$160 00	$89,866 94
VII. Faculty of Forestry:				
83. Salaries	$8,850 00		$958 34	$7,891 66
84. Forestry Building and Department	2,775 00		295 66	2,479 34
	$11,625 00		$1,254 00	$10,371 00

Revenue Expenditures, 1917-18.—Continued.

	Appropriation.	Supplementary.	Unused.	Total.
VIII. University Extension and Social Service:				
85. University Extension	$6,150 00		$1,037 04	$5,112 96
86. Social Service Building and Department	3,825 00		569 45	3,255 55
	$9,975 00		$1,606 49	$8,368 51
IX. Residences and Dining Hall:				
87. Men's Residences	$5,575 00		$3,822 76	$1,752 24
88. Women's Residences	21,720 00		93 95	21,626 05
89. Dining Hall	31,250 00	$28,672 81		59,922 81
90. University College Women's Union	9,720 00	1,680 81		11,400 81
	$68,265 00	$30,353 62	$3,916 71	$94,701 91
X. 91. Royal Ontario Museum	$17,500 00	$331 37		$17,831 37
XI. 92. Central Light, Heat and Power Plant	$70,000 00	$22,497 56		$92,497 56
XII. 93. Contingencies	$5,000 00		$3,619 19	$1,380 81
XIII. 94. Capital Account Charges....	$74,418 00	$1,576 81		$75,994 81
XIV. 95. Special Research	$15,000 00		$3,005 03	$11,994 97
XV. 96. Special Grant to Toronto General Hospital		$25,000 00		$25,000 00

Recapitulation.

I. Administration	$149,700 00	$2,434 63	$10,439 65	$141,694 98
II. Faculty of Arts	289,089 50	2,009 82	13,785 91	277,313 41
III. Faculty of Medicine	92,091 00	5,299 39	2,396 13	94,994 26
IV. Faculty of Applied Science	125,905 00	38 74	8,699 13	117,244 61
V. Faculty of Household Science ..	17,455 00		485 19	16,969 81
VI. Faculty of Education	89,300 00	726 94	160 00	89,866 94
VII. Faculty of Forestry	11,625 00		1,254 00	10,371 00
VIII. University Extension and Social Service	9,975 00		1,606 49	8,368 51
IX. Residences and Dining Hall ...	68,265 00	30,353 62	3,916 71	94,701 91
X. Royal Ontario Museum	17,500 00	331 37		17,831 37
XI. Central Power Plant	70,000 00	22,497 56		92,497 56
XII. Contingencies	5,000 00		3,619 19	1,380 81
XIII. Capital Account Charges	74,418 00	1,576 81		75,994 81
XIV. Special Research	15,000 00		3,005 03	11,994 97
XV. Special Grant to Toronto General Hospital		25,000 00		25,000 00
	$1,035,323 50	$90,268 88	$49,367 43	$1,076,224 95
		49,367 43		
		$40,901 45		
	$40,901 45			
Total expenditure under appropriations	$1,076,224 95			

I. Administration.

1. *Salaries.*

President's Office.

Sir Robert Falconer, K.C.M.G., President, 12 mos. to 30 June..	$8,000 00	
Miss A. W. Patterson, President's Secretary, 12 mos. to 30 June	1,500 00	
		$9,500 00

Bursar's Office.

F. A. Mouré, Bursar, 12 mos. to 30 June	$3,800 00	
W. R. Hamilton, Accountant, 12 mos. to 30 June	1,700 00	
H. J. Bolitho, Fees Clerk, 12 mos. to 30 June	1,700 00	
Miss A. M. Gall, Clerk and Stenographer, 12 mos. to 30 June	1,100 00	
Miss K. W. Huntington, Voucher Clerk, 12 mos. to 30 June (resigned)	900 00	
C. E. Higginbottom, Office Assistant, 12 mos. to 30 June, $900; bonus for extra services, $100	1,000 00	
Miss E. B. Goodwin, Clerk and Stenographer, 12 mos. to 30 June	800 00	
W. W. Macdonald, Clerk, 12 mos. to 30 June	700 00	
J. P. Jones, Clerk at $550 (war service, half pay)	275 00	
		$11,975 00

Registrar's Office.

J. Brebner, Registrar, 12 mos. to 30 June	$3,400 00	
A. B. Fennell, Assistant Registrar and Secretary to Residence Committee, at $1,800 (war service, half pay)	900 00	
A. T. Laidlaw, Assistant, 12 mos. to 30 June	1,700 00	
Miss I. G. O'Neil, Clerk, 12 mos to 30 June	900 00	
Miss N. MacKenzie, Minute Clerk, 12 mos. to 30 June (including $50 as Secretary to Graduate Board)	900 00	
Stenographers, each 12 mos. to 30 June:		
Miss M. McMillan	850 00	
Miss A. S. Meen	850 00	
Miss E. M. Sharpe	750 00	
Miss J. R. White	750 00	
		$11,000 00

Superintendent's Office.

G. Campbell, Superintendent of Buildings and Grounds, 12 mos. to 30 June	$3,000 00	
A. D. LePan, Joint Superintendent, at $2,600 (war service, half pay)	1,300 00	
W. H. Bonus, Assistant Superintendent, 12 mos. to 30 June	1,500 00	
W. L. D. Carnie, Chief Clerk, 140 hours at 50c., $70; 1 Aug. to 15 March, at $900 per annum, $562.50; 16 March to 30 June at $1,056 per annum, $308	940 50	
Miss J. Bell, Clerk, 1 July to 14 March, at $15 per week, $547.49; 15 to 31 March at $16 per week, $38.86; 1 April to 30 June at $832 per annum, $208	794 35	
Stenographers:		
Miss M. Higgins, 1 July to 22 Sept., at $12 per week	142 85	
Miss M. Edgar, 1 week to 30 Sept., $12; 1 Oct. to 14 March, at $14 per week, $337.78; 15 to 31 March at $16 per week, $38.86; 1 April to 30 June at $832 per annum, $208	586 84	
Customs Clerks:		
Miss K. Fahey, 1 July to 31 Oct., at $10 per week	174 06	
Miss F. Macdonald, 1 Nov. to 7 Feb., at $10 per week	136 64	
Miss C. Scott, 4 Feb., to 21 March, at $10 per week, $64.29; 22 March to 29 June at $5 per week (part time)	130 72	
		$8,705 96

1. *Salaries.*—Continued.

Library.

H. H. Langton, Librarian, 12 mos. to 30 June	$3,400 00	
Miss G. Buchan, First Assistant, 12 mos. to 30 June	1,300 00	
Assistants, each 12 mos. to 30 June:		
Miss E. Creighton	850 00	
Miss H. Fairbairn	850 00	
Miss G. Cayley	850 00	
Mrs. A. C. Jones	850 00	
Miss H. G. B. Woolryche	850 00	
Miss A. H. Young, Cataloguer, 12 mos. to 30 June	1,300 00	
Assistant Cataloguers, each 12 mos. to 30 June:		
Miss E. V. Bethune	850 00	
Miss A. E. Stennett	750 00	
Miss I. Edwards	650 00	
Miss E. Aldridge, Typewriting Assistant to Cataloguers, 12 mos. to 30 June	750 00	
Miss L. M. Mason, Order and Accession Clerk, 12 mos. to 30 June	1,100 00	
Delivery Clerks:		
Miss M. L. Newton, 12 mos. to 30 June	750 00	
Miss M. Murphy, 3 mos. to 30 Sept., at $650 per annum (resigned)	162 50	
Mrs. A. L. Ridge, 9 mos. from 1 Oct., at $650 per annum	487 50	
S. H. Fussell, Attendant (with rooms, heat and light as caretaker of building), 12 mos. to 30 June	750 00	
		$16,500 00

Museum.

C. T. Currelly, Director of Archaeological Section, 7 mos. to 31 Jan., at $3,000 per annum (transferred to Faculty of Arts)	$1,750 00	
		$1,750 00

Gymnasium.

J. W. Barton, Physical Director, 12 mos. to 30 June	$2,300 00	
T. A. Reed, Financial Secretary to Athletic Directorate, 12 mos. to 30 June (charged to receipts from Athletic Field)	2,100 00	
A. Williams, Instructor, 12 mos. to 30 June (reduced service)	550 00	
		$4,950 00

General Service.

S. J. Apted, services as Bedel, 12 mos. to 30 June (paid also as caretaker of Convocation Hall, and for supervising Engineering building)	$100 00	
A. Bain, Attendant and Messenger, President's Office, 12 mos. to 30 June	800 00	
W. H. Fox, Mechanician at $1,150 (war service, half salary paid to wife)	575 00	
E. F. McKee, substitute, 728¾ hours at 57½c.; 239 hours at 65c.	574 41	
Protective service (see also under Grounds):		
Constables:		
J. Christie at $1,100, war service, part salary paid to wife, $400; allowance credited to pension fund for year, $100	500 00	
W. May, substitute, 12 mos. to 30 June	800 00	
D. Forbes, 12 mos. to 30 June	850 00	
Nightwatchmen:		
D. McGregor, 12 mos. to 30 June	768 00	
J. Banford, 12 mos. to 30 June	720 00	
J. Airhart, 1 July to 28 April, at $720 per annum	555 88	
R. Eades, 6 Nov. to 30 June at $720 per annum	470 00	
Occasional service, relieving, etc.:		
J. Clinton, $388; G. Iliff, $94; A. Pye, $77.55; D. L. Featherstone, $39.39; B. Horton, $34; F. Forebank, $26; R. Green, $2	660 94	

1. *Salaries.*—Continued.

C. C. Grant, Secretary to Students' Administrative Council, 12 mos. to 30 June (charged to Fees)	900 00	
		$8,274 23
		$72,655 19
Less charged to Athletic Field receipts	$2,100 00	
Less charged to Fees	900 00	
		3,000 00
		$69,655 19

2. *Pensions.*

Mrs. Julia Loudon, ex-President Loudon's widow, annual pension	$2,500 00	
		$2,500 00

3. *President's Office.*

Office supplies, postage, printing and incidentals ($339.87):		
Wm. Briggs, printing report	$105 00	
President Sir Robert Falconer, petty disbursements	71 69	
Imperial Glass Works, mirror	10 35	
Office Specialty Mfg. Co., cases and cards	10 68	
University Press, printing and stationery	142 15	
		$339 87

4. *Bursar's Office.*

Office supplies, postage, printing and incidentals ($1,403.88):		
Burroughs Adding Machine Co., inspection and supplies	$10 75	
The Bursar, petty disbursements, $78.21; postage, $157.00; Inland Revenue stamps, $23.00	258 21	
Five-in-One Letter Envelope Co., envelopes	20 00	
Grand & Toy, cheque books, $103.00; war tax stamps and embossing, $262.00; supplies, $10.57	375 57	
Lake Simcoe Ice Supply Co., ice	2 51	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., card section and folders	20 25	
Miss M. Pyper, 25⅔ weeks' clerical assistance at $11.00 per week	282 34	
Students' Book Dept., almanacs and stationery	4 40	
United Typewriter Co., supplies	3 50	
University Press, printing, stationery and supplies	411 17	
Petty items (2)	2 88	
Superintendent's Dept., labour, $1.56; material, 74c.	2 30	
Vault shelving, etc., ($533.50):		
Office Specialty Mfg. Co.	525 00	
Superintendent's Dept., labour	8 50	
Auditor's remuneration ($700.00):		
G. T. Clarkson	700 00	
		$2,637 38

5. *Registrar's Office.*

Office supplies and stationery ($697.95):		
Brown Bros., stencil	$7 65	
Lake Simcoe Ice Supply Co., ice	2 51	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., transfer cases, etc.	50 15	
Photography, Dept. of, prints	1 30	
United Typewriter Co., repairs	13 55	
University Press, stationery and supplies	570 98	
Superintendent's Dept., labour, $28.84; material, $12.97	41 81	
Postage ($950.00):		
The Bursar, postage supplied	950 00	
Printing, other than Calendar ($109.48):		
University Press	109 48	

5. *Registrar's Office.*—Continued.

Printing Calendar and Curricula ($831.10):		
University Press	831 10	
Clerical assistance ($135.00):		
Miss H. Bartlet, 9 weeks at $15.00 per week	135 00	
		$2,723 53

6. *Superintendent's Office.*

Office supplies, postage, printing and incidentals ($641.02):		
Art Metropole, linen	$13 89	
The Bursar, postage supplied	108 00	
Canada Stamp & Stencil Co., repairs	1 00	
Copeland-Chatterson Co., binder and paper	13 54	
Evening Telegram, advertising for workmen	2 22	
Grand & Toy, holder	2 25	
Heating & Ventilating Magazine Co., reprints	3 05	
John A. Hertel Co., book	2 50	
Lake Simcoe Ice Supply Co., ice	2 52	
Macey Office Equipment Co., cards and case	3 90	
Maclean Publishing Co., reprints	26 00	
Map Co., mounting	3 75	
Office Specialty Mfg. Co., cards and folders	25 20	
Photography, Dept. of, prints	1 45	
Remington Typewriter Co., inspection	10 00	
The Superintendent, petty disbursements	9 53	
United Typewriter Co., inspection and repairs	21 75	
F. E. Watson, plans	5 00	
University Press, stationery, printing and supplies	359 44	
Freight charges	9 45	
Superintendent's Dept., labour, $14.17; material, $4.81	18 98	
	$643 42	
Less received from sale of plans	2 40	
		$641 02

7. *Library.*

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas ($41.38):		
Consumers' Gas Co.	$41 38	
Water ($44.57):		
City Treasurer	44 57	
Caretaker's supplies ($65.97):		
Superintendent's Dept., material	65 97	
Cleaning ($667.02):		
Allen Mfg. Co., laundry	11 19	
Canadian Cleaning Co., cleaning windows	25 00	
Superintendent's Dept., labour	630 83	
Repairs and renewals ($734.22):		
Card & McConnell, exterminating rats	10 00	
City Treasurer, elevator license	5 00	
Johnson Temperature Regulating Co. of Canada, repairs	39 09	
A. Matthews, repairs	7 06	
Photography, Dept. of, plans	30	
Superintendent's Dept., labour, $401.43; material, $271.34	672 77	
		$1,553 16
(*b*) General Library Appropriation:		
Books and periodicals, binding and office supplies ($9,988.72):		
Academy of Political Science	$5 05	
E. G. Allen & Son	66 52	
American Academy of Political and Social Science	5 05	
American Anthropological Association	6 08	
American Association for Advancement of Science	3 55	
American Association for Labour Legislation	5 05	
American Ceramic Society	5 05	
American Chemical Society	20 64	
American Concrete Institute	19 64	

7. *Library.*—Continued.

American Economic Association	5 05
American Historical Society	4 05
American Institute of Electrical Engineers	11 66
American Institute of Mining Engineers	12 16
American Journal for Care of Cripples	15 17
American Library Association	5 05
American Mathematical Association	5 05
American Medical Association	6 58
American Railway Engineers Association	6 58
American Society for Testing Materials	8 88
American Society of Civil Engineers	6 08
American Society of Mechanical Engineers	15 12
American Statistical Association	2 05
American Water Works Association	5 05
Annual Review Publishing Co.	4 50
Archaeological Institute of America	9 88
Association for Study of Internal Secretions	8 08
Australian Statesman & Mining Standard Printing, Ltd.	8 46
G. A. Baker & Co.	41 95
Bible Teachers' Training School Library	2 24
Boston Book Co.	8 89
Albert Britnell	17 00
Canada Law Book Co.	18 00
C. D. Cazenove & Son	1,933 04
Honoré Champion	345 14
Cedric Chivers	85 15
John Clark Co.	78 18
T. & T. Clark	6 44
Commission of Conservation, Ottawa	8 98
Miss L. I. Couture	37 07
Daily Telegraph Newspaper Co., Sydney, N.S.W.	14 62
Wm. Dawson & Son	472 79
L. G. Desjardines	4 00
DeWolfe & Fiske Co.	15 26
East Herts. Archaeological Society	2 62
Gauthier-Villars	81 25
Geological Society of America	7 58
Wm. J. Gerhard	26 64
Ginn & Co.	2 80
H. M. Stationery Office	37 35
W. M. Hill	4 15
Johns Hopkins Press	12 13
A. J. Huston	5 42
Imperial Year Book	3 00
Institute of Mining & Metallurgy	2 59
Journal of Animal Behavior and the Behavior Monographs	35 87
W. P. M. Kennedy	17 00
Kimball Bros.	2 40
John Lane Co.	5 68
S. Lapi	5 79
Chas. E. Lauriat Co.	15 42
Librairie Scientifique	9 22
Libreria Internazionale	108 92
B. Login & Son	77 46
Makers of Canada	3 50
Marine Biological Laboratory	24 28
J. A. Marshall	20 52
D. C. McMurtrie	5 05
Museum of Comparative Zoology	202 15
National Foreign Trade Council	3 55
National Geographic Society	3 05
National Municipal League	5 05
National Tax Association	10 08
Thos. Nelson & Sons	5 05
New Zealand Times	19 21
Ontario Library Association	5 00
Pioneer Press, Allahabad	21 95
Princeton University Press	6 33

7. *Library.*—Continued.

Public Printing & Stationery Dept., Ottawa	3 00	
G. P. Putnam's Sons	4 05	
Renouf Publishing Co.	2 09	
J. Ross Robertson	4 00	
G. E. Stechert & Co.	108 51	
Miss A. E. Stennett	13 00	
Students' Book Dept.	1,954 25	
Victoriano Suarez	127 03	
The Survey	7 60	
J. Terquem	784 37	
Thoms & Eron Inc.	8 60	
J. B. Thornhill	4 00	
Torrey Botanical Club	4 05	
Upper Canada Bible Society	2 70	
University of Chicago Press	49 32	
University of Pennsylvania Museum	2 67	
H. W. Wilson Co.	21 28	
Wistar Institute of Anatomy & Biology	88 92	
G. M. Wrong	3 00	
Sundry small accounts (13)	19 99	
The Bursar, postage supplied	201 00	
The Librarian, disbursements: book deposits refunded, $101.00; car tickets, cartage and sundries, $7.90; to be accounted for in 1918-19, $22.95=$131.85; less charged to previous year, $17.65	114 20	
Art Metropole, supplies	2 68	
Canada Stamp & Stencil Co., repairs	1 23	
Canada Furniture Manufacturers, chairs	6 86	
T. Eaton Co., curtains, towelling, etc.	32 25	
Grand & Toy, supplies	2 75	
C. W. Mack, rubber stamps and repairs	4 85	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., cabinets	35 00	
Remington Typewriter Co., inspection	16 50	
Students' Book Dept., supplies	2 65	
United Typewriter Co., inspection and supplies	9 11	
University Press, binding, $2,095.72; printing and stationery, $291.77	2,387 49	
Freight charges	45 03	
Superintendent's Dept., labour, $17.72; material, $3.83	21 55	
	$10,268 47	
Less graduates' deposits, $142.00; fines, $83.70; replacement of books lost, $14.80; subscriptions to and sales of books, $24.97; refund of freight, $13.38; sale of cases, 90c.	279 75	
	$9,988 72	
Vacuum cleaner ($43.00):		
Superintendent's Dept., vacuum cleaner	43 00	
		$10,031 72
		$11,584 88

8. *Gymnasium and Students' Union.*

(*a*) Maintenance of Building (temporary structure):

Fuel ($655.27):	
Connell Anthracite Mining Co.	$655 27
Water ($18.43):	
City Treasurer	18 43
Caretaker's supplies ($13.30):	
Superintendent's Dept., material	13 30
Cleaning ($351.02):	
Superintendent's Dept., labour	351 02

8. *Gymnasium and Students' Union.*—Continued.

Repairs and renewals ($122.11):		
J. M. Wighton, masonry	15 00	
Superintendent's Dept., labour, $55.51; material, $51.60.	107 11	
	$1,160 13	
Less sundry credits: cleaning	15 60	
	$1,144 53	
Caretaker, Geo. Hare, 12 months to 30th June	900 00	
		$2,044 53
(*b*) Aid to Athletics:		
Grant to Athletic Association ($800.00):		
University Athletic Association	800 00	
Gymnastic Appliances, etc. ($109.81):		
G. H. Corsan, water wings	18 00	
Ingram & Bell, stethoscope	2 98	
Shaw Carpet Cleaning Works, repairs to cushions	40 00	
A. G. Spalding & Bros., balls, etc.	19 75	
Freight charges	90	
Superintendent's Dept., labour, $3.18; material, $25.00.	28 18	
Instruction in Swimming (including women students), ($1,000.00):		
G. H. Corsan, services as instructor	1,000 00	
Physical Instruction to Women Students ($1,463.27):		
Miss Ivy Coventry, instructress	1,000 00	
Dr. Geraldine Oakley, examiner	200 00	
Miss J. L. Goodman, pianist's services	89 82	
Gourlay, Winter & Leeming, piano hire	30 00	
Women's Athletic Association, University College, disbursements:		
Miss Grace Ferguson, federal league fees (1916-17)	5 00	
F. Hanmer, attendant, basket ball practices	18 00	
Miss J. Panton, federal league fees (1917-18)	7 50	
Miss W. Simpson, petty disbursements	5 05	
A. G. Spalding & Bros., balls	2 40	
Torontonensis, 1918, articles *re* athletic teams	22 00	
University College Women's Union, refreshments for autumn tea	8 00	
University of Toronto Athletic Association, hockey privileges	27 50	
H. A. Wilson & Co., hockey sticks	3 25	
Women's Athletic Association, Victoria College, disbursements:		
J. Brotherton, balls and sticks	12 75	
F. Hanmer, attendant at basket ball practices	14 00	
Torontonensis, 1918, articles *re* athletic teams	18 00	
(*c*) Department of Military Studies ($1,888.42):		
Canadian Officers' Training Corps, instruction	1,749 00	
D. M. Barton, assistant medical examiner	40 00	
Office Specialty Mfg. Co., cabinet	8 82	
University Press, printing and stationery	32 40	
Clerical Assistance:		
T. M. Mongovan, 63 hours at 40c. per hour	25 20	
Miss E. M. Sharpe, 13 hours at 50c. per hour	6 50	
Miss J. R. White, 13 hrs. at 50c. per hour	6 50	
Robert Wilson, 40 hours at 50c. per hour	20 00	
		$5,261 50
		$7,306 03

9. *Convocation Hall.*

Heat and light (supplied from Central Power Plant):		
Water ($33.32):		
City Treasurer	$33 32	
Caretaker's supplies ($70.83):		
Superintendent's Dept., labour, 28c.; material, $70.55	70 83	
Cleaning ($404.24):		
Canadian Cleaning Co., cleaning windows	6 00	
Superintendent's Dept., labour	398 24	
Repairs and renewals ($1,195.58):		
Card & McConnell, exterminating rats	10 00	
W. E. Dillon & Co., repairs to roof	190 00	
A. Matthews, repairs to roof	126 08	
Photography, Dept. of, plans	85	
F. E. Watson, plans	25 00	
J. M. Wighton, masonry	15 75	
Superintendent's Dept., labour, $557.75; material, $270.15	827 90	
	$1,703 97	
Caretaker, S. J. Apted, 12 months to 30th June (with house, heat and light)	600 00	
	$2,303 97	
Less amount received from Societies, etc. (net)	305 93	
		$1,998 04

10. *Grounds.*

Labour, gravel, roadways, granolithic walks, flowers and shrubs ($9,244.24):		
Aikenhead Hardware, tools	$5 69	
Asphaltic Concrete Co., grading and repairs to roadway, $882.38; improving playground at University Schools, $200.00	1,082 38	
Banigan, Mathers & Thompson, tracing prints	7 00	
City Treasurer, gulleys	47 47	
Crescent Concrete Paving Co., granolithic walks	365 00	
T. Eaton Co., supplies	6 28	
Robert Elder Carriage Works, shafts	15 00	
Goodyear Tire & Rubber Co., hose	115 34	
Hardware Co. of Toronto, mowers and tools	81 10	
Chas. E. Lewis, flowers	90 00	
J. H. McCabe, fodder	57 30	
G. Newman, hay and straw	32 93	
Dr. J. N. Pringle, ointment	2 50	
R. Robertson & Sons, culverts	117 24	
John Rydall, blacksmithing	32 55	
Wm. Staughton, fodder	105 86	
Steele Briggs Seed Co., seeds	15 00	
W. H. Thomson, teaming	187 82	
Petty items (4)	3 95	
Superintendent's Dept., labour, $6,744.54; material, $400.48	7,145 02	
	$9,515 43	
Less received from sale of wood, etc., $205.40; repairs, $50.79; grass cutting, $6.60; cartage, $8.40	271 19	
	$9,244 24	
Foreman gardener, G. Trotter, 12 mos. to 30 June	850 00	
Protective service ($444.89):		
House of Hobberlin, uniforms	58 75	
International Time Recording Co., repairs to watchmen's clock, etc.	9 75	
J. T. W. Low, repairs	25	
Superintendent's Dept., labour, $78.54; material, $297.60	376 14	

10. *Grounds.*—Continued.

Special guards at Central Power Plant ($1,027.98): (at $60.00 to $80.00 per month):		
J. C. Wright	371 66	
J. McCurrach	329 66	
J. Wood	121 33	
S. Sharpe	80 00	
R. Eades	52 00	
J. Clinton	52 00	
F. Groulx	11 33	
J. Gibbons	6 00	
E. Joyce	4 00	
Landscape improvements ($517.47):		
Bryant Fleming, amount of contract, $1,450.00; less paid Townsend & Fleming, 1913-14, $500.00; 1914-15, $500.00	450 00	
Bryant Fleming, advice *re* Hart House ground	67 47	
Repairing cottage for caretaker of Convocation Hall ($84.79):		
Superintendent's Dept., labour, $18.73; material, $66.06	84 79	
		$12,169 37

11. *Examinations.*

Name.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Aldous, J. E. P.	96 85	220 35	.....	.....	317 20
Alexander, W. J.	22 25	.....	.....	.....	22 25
Allan, F. B.	7 25	.....	.....	.....	7 25
Angus, R. W.	5 25	.....	.....	.....	5 25
Ardagh, E. G. R.	5 25	.....	.....	.....	5 25
Atkinson, G. D.	35 75	15 40	.....	.....	51 15
Auger, C. E.	29 50	.....	10 50	.....	40 00
Baker, A.	5 00	.....	.....	.....	5 00
Baker, A. W.	42 25	.....	.....	.....	42 25
Ballard, W. H.	.....	4 00	5 00	.....	9 00
Banting, E. W.	.....	.....	15 00	.....	15 00
Baumann, E. J.	2 75	.....	.....	.....	2 75
Beatty, S.	36 75	.....	18 00	.....	54 75
Bensley, B. A.	10 75	.....	.....	.....	10 75
Benson, Miss C. C.	10 50	.....	.....	.....	10 50
Bethune, C. J. S.	7 00	.....	.....	.....	7 00
Billings, J. H	.....	.....	9 00	.....	9 00
Bingham. G. A.	45 00	.....	.....	.....	45 00
Birrell, W. G.	.....	.....	16 50	.....	16 50
Blachford, F. E.	20 00	.....	.....	.....	20 00
Bluethner, W. A.	20 00	5 50	.....	.....	25 50
Boddington, D. H.	.....	.....	9 00	.....	9 00
Boswell, M. C.	5 25	.....	.....	.....	5 25
Boyd, Geoffrey	45 00	.....	.....	.....	45 00
Brebner, Miss M.	.....	.....	.....	24 50	24 50
Brebner, W. B.	.....	.....	.....	9 50	9 50
Brett, G. S.	12 00	.....	.....	.....	12 00
Brodey, A.	8 25	.....	.....	.....	8 25
Broome, E.	20 00	3 00	.....	.....	23 00
Brown, A. Grant	23 25	.....	.....	.....	23 25
Buchanan, M. A.	31 75	.....	.....	.....	31 75
Burt-Gerrans, J. T.	.....	.....	15 00	.....	15 00
Burton, E. F.	35 67	.....	.....	.....	35 67
Caesar, L.	11 50	.....	.....	.....	11 50
Caley, D. R.	7 25	.....	.....	.....	7 25
Cameron, Dr. Olive	19 25	.....	4 50	.....	23 75
Cameron, M. H. V.	45 00	.....	.....	.....	45 00
Cameron, I. H.	73 25	.....	.....	.....	73 25
Campbell, J. A.	7 25	.....	.....	.....	7 25
Carruthers, A.	10 75	.....	.....	.....	10 75
Cavell, H. W.	.....	.....	.....	5 25	5 25
Clark, A. F. B.	5 00	.....	.....	.....	5 00
Clarkson, F. A.	45 00	.....	.....	.....	45 00
Clawson, W. H.	29 25	.....	34 50	.....	63 75
Cleland, F. A.	45 00	.....	.....	.....	45 00
Clemens, W. A	14 00	.....	21 00	.....	35 00
Clute, A. R.	13 00	.....	.....	.....	13 00
Cohen, I.	9 00	.....	.....	.....	9 00
Coombs, F. E	.....	.....	57 50	.....	57 50
Cornish, C. A	.....	.....	7 50	.....	7 50
Cowan, D.	.....	.....	.....	1 50	1 50
Craigie, E. H.	.....	.....	34 50	.....	34 50
Crawford, J. T	.....	.....	42 00	.....	42 00
Crerar, S. R	.....	.....	21 00	.....	21 00
Cringan, A. T.	21 30	.....	.....	.....	21 30
Crow, J. W.	6 25	.....	.....	.....	6 25
Cudmore, S. A.	12 00	.....	35 00	.....	47 00
Cullis, Miss W. C.	12 50	.....	.....	.....	12 50

11. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Dale, E. A			18 00		18 00
Dawes, H. F	5 50				5 50
De Beaumont, V.	18 75				18 75
Detweiler, H. K.	5 75				5 75
De Wit, N. W.	44 25				44 25
Duff, D.	19 50				19 50
Elliott, J. H.	45 00				45 00
Evans, G. A.	20 00				20 00
Fairclough, W. E.	73 00				73 00
Faull, J. H.	24 25				24 25
Ferguson, W. S	5 25				5 25
Fitzgerald, J. G.	12 75				12 75
Floyd, L. H.				5 25	5 25
Forsyth, W. O.	10 00	16 53			26 53
Fulmer, H. L.	23 75				23 75
Funnell, W. S.	20 50				20 50
Gaby, R. E	45 00				45 00
Gallie, J. G	63 50		1 50		65 00
Gibson, A. L.	23 50				23 50
Goldie, Wm.	5 00				5 00
Graham, C. G				4 00	4 00
Graham, R. R.	35 00				35 00
Graham, W. R	24 50				24 50
Grange, E. A. A.	14 50				14 50
Greaves, W. H.			1 50		1 50
Greenaway, C. R.				17 00	17 00
Guest, W. S.			19 50		19 50
Halbus, F			9 00		9 00
Ham, A.	26 25				26 25
Harcourt, R.	20 00				20 00
Harris, C. L. M.	20 00	14 50			34 50
Harrison, J. W. F.	21 00	4 55			25 55
Hartman, F. A.	10 00				10 00
Hearle, E.			39 00		39 00
Heebner, C. F.	60 00				60 00
Hendrick, A. C.	45 00				45 00
Hern, F.	34 50				34 50
Hewlett, W. H.	34 95	8 25			43 20
Holmes, A. B				21 50	21 50
Holt, G. E.	5 75				5 75
Horning, L. E.	5 38				5 38
Howitt, J. E.	24 25				24 25
Howland, G. W.	45 00				45 00
Hume, J. G	5 50				5 50
Hunter, A.	21 00				21 00
Hunter, Miss G. H			2 00		2 00
Hutchison, H. S	45 00				45 00
Hutton, M.	5 25				5 25
Iveson, W. L.	21 00				21 00
Jackman, W. T.	11 25		52 00		63 25
Jamieson, Miss E. A.		2 00			2 00
Jeanneret, F. C. A.	29 00		83 50		112 50
Jones, D. H.	28 75				28 75
Jones, G. M.			27 00		27 00
Kennedy, W. P. M.	22 00				22 00
Kenrick, F. B.	7 75				7 75
Keys, Miss E.				12 00	12 00

11. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Kihl, V.	36 50	7 50			44 00
Kilborn, L. G			1 50		1 50
King, H. M.	44 00				44 00
Kinnear, J. A.	90 00				90 00
Kittredge, R. E. L.	5 25		16 50		21 75
Lacey, A.				37 50	37 50
Lailey, Whitney			1 50		1 50
Lane, W. B.	6 50				6 50
Langford, A. L.				15 50	15 50
Le Drew, H. H.	14 50				14 50
Leitch, A.	11 00				11 00
Loudon, J. D.	45 00				45 00
Loudon, W. J.	14 33				14 33
Lund, T. H.	5 75				5 75
Mabee, O. R.	76 00				76 00
Mabee, W. J.	45 00				45 00
Macallum, A. B.	15 00				15 00
MacCallum, J. M.	45 00				45 00
MacIver, R. M.	10 50				10 50
Mackenzie, M. A.	6 00				6 00
Maclennan, D. N.	45 00				45 00
Manning, Miss A. V.	5 25				5 25
Margison, O.			24 00		24 00
Marlow, F. W.	45 00				45 00
Marshall, C. E.	10 50				10 50
Martin, T.	14 00	13 70			27 70
McCoy, Mrs. J.		2 00	2 00		4 00
McCubbin, W. A.	7 25				7 25
McCulloch, E. A.	14 50				14 50
McFarlane, Miss J.	5 75				5 75
McIlwraith, K. C.	45 00				45 00
McIntyre, G. C.	9 00				9 00
McKellar, H. S			57 00		57 00
McLaughlin, J. F	10 75				10 75
McLennan, A. H.	6 25				6 25
McMurrich, J. P.	17 50				17 50
McPhedran, A.	73 25				73 25
McPhedran, W. F.	95 00				95 00
McQueen, D. G.		2 00	3 00		5 00
McQueen, M. J.	7 25				7 25
Meader, F. D.	11 00				11 00
Mickle, G. R.	5 00				5 00
Miller, W. Lash	10 75				10 75
Moffatt, R. C.	10 50				10 50
Muckle, J. T.	17 75				17 75
Naylor, R. W.			9 00		9 00
Nelson, H. D.	7 25				7 25
Oille, J. A.	55 00				55 00
Oliver, F. A.	10 00	8 70			18 70
Overholt, A. M.		2 00	3 00		5 00
Owen, E. T.	5 25		19 50		24 75
Palmer, E. F.	6 25				6 25
Parks, W. A.	8 25				8 25
Perry, S. W.			7 50		7 50
Piersol, W. H.	6 00				6 00
Potter, W. A.	5 25				5 25

11. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Pounder, I. R.	38 75	.....	16 50	.....	55 25
Powell, F. G.	21 50	.....	.....	.....	21 50
Powell, N. A.	18 25	.....	.....	.....	18 25
Pratt, E. J.	.....	.....	51 00	.....	51 00
Price, H. W.	5 50	.....	.....	.....	5 50
Primrose, A	45 00	.....	.....	.....	45 00
Pringle, J. N.	29 00	.....	.....	.....	29 00
Radcliffe, S. J.	.....	4 00	5 00	.....	9 00
Reid, Miss M. E.	.....	.....	.....	32 00	32 00
Reid, Miss M. G.	.....	.....	51 00	.....	51 00
Ritchie, E. F.	13 00	.....	.....	.....	13 00
Robertson, D. E.	55 00	.....	.....	.....	55 00
Robertson, J. C.	5 25	.....	.....	.....	5 25
Robertson, W. J.	.....	4 00	2 00	.....	6 00
Robinson, T. R.	6 50	.....	.....	.....	6 50
Rollo, Wm.	5 25	.....	.....	.....	5 25
Ross, G. W.	118 50	.....	.....	.....	118 50
Ross, R. A.	10 00	.....	.....	.....	10 00
Royal College of Dental Surgeons	504 75	72 65	1 25	16 25	594 90
Rutherford, W. W.	.....	2 00	2 00	.....	4 00
Sackville, J. P.	33 00	.....	.....	.....	33 00
Satterly, J.	24 00	.....	.....	.....	24 00
Saunders, D. W.	7 25	.....	.....	.....	7 25
Scarrow, A. N.	.....	.....	24 00	.....	24 00
Schuch, E. W.	10 00	2 30	.....	.....	12 30
Scott, Miss L. C.	31 50	.....	.....	.....	31 50
Scott, P. L.	20 00	.....	.....	.....	20 00
Scott, Wm. A.	45 00	.....	.....	.....	45 00
Sexton, J. H.	.....	2 00	2 00	.....	4 00
Shaw, J. E	5 25	.....	.....	.....	5 25
Shuttleworth, C. B.	45 00	.....	.....	.....	45 00
Simpson, L. C.	7 25	.....	.....	.....	7 25
Sissons, C. B.	19 25	.....	.....	.....	19 25
Smith, G. O.	35 50	.....	.....	.....	35 50
Smith, W. G.	.....	.....	42 50	.....	42 50
Smither, W. J.	.....	.....	43 50	.....	43 50
Squirrell, W. J.	11 00	.....	.....	.....	11 00
Stewart, L. B.	5 25	.....	.....	.....	5 25
Tattersall, R.	21 15	1 75	.....	.....	22 90
Taylor, W. R.	22 25	.....	.....	.....	22 25
Temple, C. A.	7 25	.....	.....	.....	7 25
Thomas, H. F.	.....	2 00	2 00	.....	4 00
Thomson, R. B.	21 50	.....	.....	.....	21 50
Tier, Wm.	.....	2 21	2 00	.....	4 21
Tomlinson, A. H.	6 25	.....	.....	.....	6 25
Tracy, F.	5 50	.....	.....	.....	5 50
Tye, W. F.	10 00	.....	.....	.....	10 00
Unwin, G. H.	42 75	.....	.....	.....	42 75
Uren, J. F.	45 00	.....	.....	.....	45 00
Vogt, A. S.	15 00	.....	.....	.....	15 00
Walker, A. C.	7 25	.....	.....	.....	7 25
Walker, A. H.	6 25	.....	.....	.....	6 25
Walker, T. L.	8 25	.....	.....	.....	8 25
Wallace, G. L.	.....	.....	1 50	.....	1 50
Wallace, J. B.	.....	.....	38 00	.....	38 00
Ward, F. W.	.....	.....	7 50	.....	7 50

11. *Examinations.*—Continued.

NAME.	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Watson, B. P.	45 00	.....	.....	.....	45 00
Watson, F. E.	.....	.....	3 00	.....	3 00
Watt, J. C.	.....	.....	15 00	.....	15 00
Welsman, F. S.	48 80	10 55	.....	.....	59 35
Wesley, R. W.	45 00	.....	.....	.....	45 00
Will, J. S.	17 88	.....	.....	.....	17 88
Willan, H.	26 75	.....	.....	.....	26 75
Williams, W. H.	.....	.....	9 00	.....	9 00
Wilson, G. E.	45 00	.....	.....	.....	45 00
Wishart, D. J. G.	45 00	.....	.....	.....	45 00
Woodcock, J. N.	16 25	.....	.....	.....	16 25
Woodhead, W. D.	.....	.....	51 00	.....	51 00
Wright, A. B.	45 00	.....	.....	.....	45 00
Wright, C. H. C	5 25	.....	.....	.....	5 25
Wright, E. P.	.....	.....	.....	20 00	20 00
Wrong, G. M.	19 00	.....	.....	.....	19 00
Young, G. S.	90 00	.....	.....	.....	90 00
Zavitz, C. A.	22 00	.....	.....	.....	22 00
	4,962 31	433 44	1,122 75	221 75	6,740 25

Apportionment.

	Remuneration as Examiner.	Expenses.	Presiding Examiner.	Attendant.	Total.
	$ c.	$ c.	$ c.	$ c.	$ c.
Arts	861 76	.....	321 00	60 50	1,243 26
Medicine	2,095 00	2 00	94 50	16 00	2,207 50
Engineering and Applied Science	79 00	.....	168 00	.....	247 00
Education	.....	.....	141 00	49 50	190 50
Law	26 00	.....	1 50	.....	27 50
Dentistry	504 75	72 65	25 25	47 75	650 40
Pharmacy	100 00	.....	15 00	7 50	122 50
Music	581 30	358 79	46 50	.....	986 59
Agriculture	557 00	.....	39 00	.....	596 00
Veterinary Science	147 00	.....	21 00	6 50	174 50
Junior Matriculation	10 50	.....	250 00	34 00	294 50
	4,962 31	433 44	1,122 75	221 75	6,740 25

11. *Examinations.*—Continued.

Remuneration to Examiners (as detailed above)		$4,962 31	
Presiding and attendance (as detailed above)		1,344 50	
Examination supplies and sundries, including incidental expenses of Examiners ($1,223.05):			
Examiners' expenses (as detailed above)		433 44	
University Press, examination books, stationery and supplies		312 80	
Filling in diplomas:			
R. M. Williams, $60.40; Edith E. Shaw, $19.95		80 35	
Rent of rooms and pianos at various centres:			
Alberta College, North	$10 00		
W. H. Ballard	4 90		
Mrs. J. E. Hollingshead	5 00		
Nordheimer Piano & Music Co.	12 00		
W. J. Robertson	2 50		
W. W. Rutherford	4 00		
F. Whitney Scherer	3 00		
Miss H. M. Smith	3 00		
H. F. Thomas	2 00		
		46 40	
Revising lists and determining awards *re* scholarship examinations:			
A. T. DeLury, $3.10; A. Grant Brown, $2.90		6 00	
Supplies for Pharmacy Examinations:			
C. F. Heebner, $65.80; P. L. Scott, $4.00		69 80	
Business Systems, ledger paper		19 06	
Brown Bros., mimeograph, $150.00; mimeoscope, $55.00; stencil, $4.00		209 00	
City Storage, cartage		12 60	
Townsend's Auto Livery & Cartage Co., collecting examination papers, etc.		30 00	
Superintendent's Dept., labour		3 60	
Printing examination papers and class lists ($1,969.35):			
University Press		1,969 35	
			$9,499 21

12. *Convocation Expenses.*

W. R. Butcher & Co., reporting addresses	$10 00	
Geo. Coles, catering	45 00	
Harcourt & Son, gown and hoods	60 50	
York Club, dinner to Lord Reading and Honourable E. Root	203 79	
University Press, printing	95 15	
Attendants, 8 at $2.00 each	16 00	
		$430 44

13. *Receptions to Societies and University Visitors.*

Expenses *re* lectures given by Dr. Geo. Sarton ($166.90):		
Honorarium for lectures	$150 00	
Queen's Hotel, accommodation	13 90	
J. Wicksey, attendant at lecture	3 00	
Expenses *re* lecture given by Prof. T. Brailsford Robertson ($268.00):		
Honorarium for lecture	250 00	
York Club, accommodation	16 00	
T. Motton, operating lantern at lecture	2 00	
York Club, dinner to Dr. Flexner and guests	56 50	
University of Toronto Faculty Union, dinners for returned soldiers	89 30	
Geo. Coles, catering at reception to Ontario Educational Association	40 00	
University Schools, reception to parents ($58.47):		
Prof. H. J. Crawford, disbursements	58 47	
		$679 17

14. *Telephones.*

Bell Telephone Co., telephone service to 30th June, 1918		$2,597 31	
Less receipts from sub-service	$367 57		
And from slot machines	22 31		
		389 88	
		$2,207 43	
Switchboard operators ($843.91):			
Miss E. Fox, 3 weeks, 5 days at $8.75 per week, $32.50; 48 weeks, 2 days at $15.00 per week, $724.29		756 79	
Miss F. Benner, 5 weeks, 5 days at $8.50 per week, $48.57; relieving, 2 weeks at $10.00 per week, $20.00		68 57	
Miss A. Wilson, relieving, 153 hours		10 55	
Miss C. Scott, relieving, 45 hours		4 50	
Miss B. Tipping, relieving, 45 hours		3 50	
		$3,051 34	
Connecting Hart House Automatic Telephone System with University ($200.00):			
Superintendent's Dept., cable, $600.00; less received from sale of motor, $400.00		200 00	
			$3,251 34

15. *Insurance.*

Balance of premiums on general schedule brought forward from 1916-17 and charged to Revenue, 1917-18	$7,514 95	
Casual Premiums:		
North British & Mercantile Insurance Co.:		
Premium on No. 1 Queen's Park	78 50	
Premium on No. 6 Queen's Park	126 00	
Premium on grand stand, bleachers and fences at Stadium	391 25	
Premium on temporary gymnasium	128 00	
Hydro-Electric Power Commission, inspection of wiring	50 00	
		$8,288 70

16. *Advertising Expenses.*

General advertising ($776.84):		
Acta Victoriana	$20 00	
American Forestry Journal	18 30	
Canadian Almanac	15 00	
Canadian Engineer	50 00	
Canadian Forestry Journal	25 00	
Canadian Medical Association Journal	48 54	
Canadian Mining Journal	45 00	
Ontario Catholic Year Book	15 00	
The "School"	50 00	
St. Andrew's College Review	15 00	
St. Michael's College Year Book	20 00	
Torontonensis, 1918	60 00	
Trinity University Review	20 00	
University Magazine, Montreal	72 00	
University Monthly	200 00	
University Y.M.C.A. Handbook	10 00	
Upper Canada College Times	8 00	
The "Varsity"	75 00	
Vox Lycei, Hamilton	10 00	
Sundry announcements inserted by the President ($184.50):		
Evening Telegram	$49 10	
Globe Printing Co.	22 60	
Mail and Empire	22 80	
News Publishing Co.	22 20	
Toronto Daily Star	32 40	
Toronto World	35 40	
		$961 34

17. *Aid to Publications and Societies.*

Astronomical Journal	$100 00	
Conference of Canadian Universities	50 00	
Universities Bureau of the British Empire	250 00	
University Monthly	500 00	
University Engineering Society	150 00	
		$1,050 00

18. *University Studies.*

H. H. Langton, remuneration as General Editor, 12 months to 30th June	$200 00	
Printing, binding and other expenses ($464.66):		
F. A. Kirk, clerical assistance	35 00	
Miss L. M. Mason, typing copy	100 00	
University Press, printing and binding	322 74	
Freight charges	6 92	
Reprints ($90.35):		
Taylor & Francis, $30.74; less received from Prof. H. F. Dawes on account, $5.58	25 16	
Williams & Wilkins Co.	8 58	
Wistar Institute of Anatomy and Biology	56 61	
University Bulletin ($201.75):		
University Press, printing	201 75	
		$956 76

19. *Law Costs.*

John A. Paterson, K.C., taxed costs as solicitor to the University	$302 53	
Less sundry credits	2 00	
		$300 53

20. *Travelling Expenses.*

Travelling expenses of the President and Academic Staff ($1,508.56):		
F. B. Allan	$23 60	
R. W. Angus	39 60	
B. A. Bensley	23 60	
E. F. Burton	24 00	
Miss W. C. Cullis	281 13	
Sir Robert Falconer	61 34	
J. J. Mackenzie	40 60	
J. J. R. Macleod	21 04	
A. McPhedran	26 90	
C. D. Parfitt	100 00	
T. Brailsford Robertson	812 50	
E. S. Ryerson	54 25	
Travelling expenses of the Board of Governors and the Senate ($119.50):		
Board of Governors:		
Judge C. G. Snider	35 00	
Members of the Senate:		
Wm. Burt	26 05	
J. H. Coyne	20 20	
Wm. Dale	31 70	
W. N. Ponton	6 55	
		$1,628 06

22. *Roll of Service.*

Prof. G. Oswald Smith, remuneration as editor, 12 months to 30th June	$300 00	
Clerical Assistance ($722.49):		
Miss A. MacGillivray, 12 months to 30th June	600 00	
Miss I. Jones, 21½ days at $2.40 per day, $51.60; 18 hours at 30c. per hour, $5.40	57 00	

22. *Roll of Service.*—Continued.

Miss M. R. Phillips, 141 hours at 31c. per hour	43 71	
Miss E. Hargreaves, 66 hours at 33c. per hour	21 78	
Office supplies, postage, printing and incidentals, ($2,071.63):		
The Bursar, postage supplied	291 00	
Grand & Toy, tabs	15 00	
Office Specialty Mfg. Co., cases and folders	27 37	
Prof. G. Oswald Smith, petty disbursements, $12.49; travelling expenses, $10.00	22 49	
Robert M. Williams, lettering tablets	53 85	
University Press, printing and stationery	1,612 55	
Superintendent's Dept., labour, $24.03; material, $7.52	31 55	
Sundry newspaper announcements:		
Evening Telegram	1 00	
Globe Printing Co.	3 70	
Mail and Empire	3 74	
News Publishing Co.	3 66	
Toronto Daily Star	1 98	
Toronto World	3 74	
		$3,094 12
		$141,694 98

II. Faculty of Arts.

23. *Salaries.*

(1) Departments in University of Toronto ($171,906.79).

Mathematics.

Professors, each 12 mos. to 30th June:		
A. Baker, (also Dean of the Faculty)	$4,000 00	
A. T. DeLury	3,800 00	
M. A. Mackenzie	3,500 00	
J. C. Fields	3,500 00	
S. Beatty, Assistant Professor, 12 mos. to 30 June	2,300 00	
I. R. Pounder, Lecturer (Sessional)	1,600 00	
T. H. Milne, Fellow (Sessional) at $500.00 (resigned, 31 December)	187 50	
		$18,887 50

Mechanics.

W. J. Loudon, Professor, 12 mos. to 30 June	$3,800 00	
		$3,800 00

Physics.

J. C. McLennan, Professor (war service, full pay)	$4,000 00	
E. F. Burton, Associate Professor, 12 mos. to 30 June	2,800 00	
Assistant Professors:		
L. Gilchrist, at $2,200 (war service, half pay)	1,100 00	
J. Satterly, $2,200; also Assistant Director of Undergraduate Laboratory, $500; 12 mos. to 30 June	2,700 00	
H. A. McTaggart, Lecturer (Sessional) at $1,800.00 (war service, half pay)	900 00	
H. F. Dawes, Special Lecturer (Sessional)	550 00	
Assistant Demonstrators (Sessional):		
R. C. Dearle	1,200 00	
D. S. Ainslie	1,000 00	
D. A. Keys	1,000 00	
Miss E. L. Bishop	500 00	
Miss W. Foster	500 00	
D. S. Fuller	500 00	
S. McLean	500 00	
Miss F. M. Quinlan	500 00	
R. V. Zumstein	500 00	

23. *Salaries.*—Continued.

Miss A. T. Reed, Class Assistant (Sessional) and Stenographer, at $1,000 combined salary, (on leave of absence from 1 March without salary)	666 66	
Miss M. E. Lowrey, Class Assistant (substitute) 18 February to 1 June at $12.00 per week	180 00	
T. S. Plaskett, Mechanician, 12 mos. to 30 June	1,350 00	
Assistant Mechanicians:		
J. W. Lawson, 4 mos. to 31 Oct. at $900 per annum (resigned)	300 00	
J. R. Dowdell, 8 mos. from 1 Nov. at $900 per annum	600 00	
G. W. Kiernan, 1 July to 31 Oct. at $450 per annum	150 00	
F. Boland, 1 Dec. to 20 April at $7 per week	154 64	
F. D. Mezen, Glass-blower, 283 hours at $1.20	339 60	
P. Blackman, Lecture and Laboratory Assistant (Sessional) at $1,000 (war service, part pay)	100 00	
		$22,090 90

Astro-Physics.

C. A. Chant, Associate Professor, 12 mos. to 30 June	$3,200 00	
J. P. Henderson, Class Assistant (Sessional)	500 00	
Assistants (Sessional):		
F. L. Blake	100 00	
B. Sadowski	50 00	
N. E. Sheppard	50 00	
		$3,900 00

Geology.

A. P. Coleman, Professor, 12 mos. to 30 June	$4,000 00	
W. A. Parks, Professor of Palaeontology, 12 mos. to 30 June	3,400 00	
A. MacLean, Lecturer (Sessional)	2,000 00	
Laboratory Attendant (Sessional):		
R. Wilson, 6½ mos. to 30 April, at $60 per mo.	390 00	
F. A. Blazey, 3 days	5 34	
		$9,795 34

Mineralogy.

T. L. Walker, Professor, 12 mos. to 30 June	$3,800 00	
A. L. Parsons, Assistant Professor, 12 mos. to 30 June	2,500 00	
Ellis Thomson, Lecturer (Sessional)	1,500 00	
Laboratory Attendants (Sessional):		
W. Allingham (war service) payment to mother at $10 a mo. for 7 mos.	70 00	
H. George, substitute, 7 mos. at $50	350 00	
		$8,220 00

Chemistry.

W. R. Lang, Professor at $3,800 (war service, half pay)	$1,900 00	
W. S. Funnell, Lecturer (Sessional) substitute	1,600 00	
W. Lash Miller, Professor of Physical Chemistry, 12 mos. to 30 June	3,800 00	
Associate Professors:		
F. B. Kenrick, at $3,200 (war service, half pay)	1,600 00	
F. B. Allan, Organic Chemistry, 12 mos. to 30 June	3,200 00	
Assistants (Sessional):		
E. I. Fulmer	800 00	
Miss S. N. Boyd	600 00	
R. Fetzer	600 00	
M. E. Smith	550 00	
W. J. Morrison	500 00	
E. J. Repath, Laboratory Assistant (with rooms, heat and light as caretaker of Chemical building), 12 mos. to 30 June, $800; Lecture Assistant (Sessional), $200	1,000 00	
A. Crosswell, Laboratory Attendant, 12 mos. to 30 June	400 00	
		$16,550 00

23. *Salaries.*—Continued.

Biology.

B. A. Bensley, Professor, 12 mos. to 30 June	$3,500 00	
Associate Professors, each 12 mos. to 30 June:		
W. H. Piersol	2,900 00	
E. M. Walker	2,500 00	
A. G. Huntsman, Marine Biology (without salary)	.....	
Lecturers (Sessional):		
W. A. Clemens, Elementary Biology	1,500 00	
A. F. Coventry, Vertebrate Embryology, at $1,700 (war service, half pay)	850 00	
E. H. Craigie, Demonstrator (Sessional)	800 00	
M. D. McKichan, Temporary Assistant in Embryology (Sessional—paid also in Therapeutics)	500 00	
Class Assistants (Sessional):		
A. Isaacson	260 00	
A. G. McPhedran	200 00	
N. D. Morris	80 00	
W. R. Quinn	60 00	
C. O. Broad	40 00	
Miss N. H. C. Ford	40 00	
N. Found	40 00	
W. E. Henry	40 00	
Miss C. A. Brown	20 00	
H. G. Willson	20 00	
Miss B. K. Mossop, Assistant in Systematic Biology, (Sessional—half time)	350 00	
Miss D. Fraser, Preparator (Sessional)	500 00	
A. Pride, Sub-Curator of Biological Museum, 12 mos. to 30 June	850 00	
E. B. S. Logier, Museum Assistant and Cataloguer (Sessional—half time)	400 00	
Miss E. Mason, Office Assistant, 12 mos. to 30 June	600 00	
Laboratory Attendants (Sessional), at $50 per mo.:		
J. A. C. Maclean, 10 to 31 October	36 66	
W. J. Brown, 4 Nov. to 30 June	393 33	
Mrs. Roberts, occasional service	16 34	
		$16,496 33

Botany.

Associate Professors, each 12 mos. to 30 June:		
J. H. Faull	$3,200 00	
R. B. Thomson	2,800 00	
Assistant Professors:		
C. D. Howe, 12 mos. to 30 June at $2,500, of which $1,250 charged to Forestry	1,250 00	
J. H. White, on leave of absence without salary (paid part time in Forestry	.....	
Demonstrators (Sessional):		
Miss J. McFarlane	900 00	
N. C. Hart, at $800 (resigned 31 Dec.)	300 00	
Miss L. V. Baker, Fellow (Sessional)	500 00	
A. W. McCallum, Assistant (Sessional)	300 00	
Class Assistants (Sessional):		
Miss C. S. McCullough	60 00	
G. H. Duff	50 00	
Miss J. G. Wright, Technical Assistant (Sessional)	800 00	
A. Simpson, Gardener (with living quarters), 12 mos. to 30 June	900 00	
Laboratory Attendants:		
J. Armstrong, 9½ mos. to 15 April at $350 per annum	277 06	
Occasional service:		
Mrs. Musgrove, $15; G. Ward, $10	25 00	
		$11,362 06

23. *Salaries.*—Continued.

Bio-Chemistry.

A. B. Macallum, Professor (on leave of absence)	.....	
Lecturers (Sessional):		
E. J. Baumann, at $1,800 (resigned 31 Dec.)	$900 00	
Dr. Olive Cameron, substitute (Easter Term)	750 00	
Miss C. J. Fraser, Assistant (Sessional)	500 00	
Fellows (Sessional), at $500:		
C. P. Lathrop	500 00	
Miss A. Muldrew	500 00	
Laboratory Assistants:		
J. Lowndes, at $650 (war service, balance after payment of substitute)	150 00	
F. W. Ward, substitute, 8 mos. salary	500 00	
A. E. Giddens, 12 mos. to 30 June (paid also in Physiology)	700 00	
		$4,500 00

Physiology.

Lecturers (Sessional):		
F. A. Hartman, $2,000; bonus, $500	$2,500 00	
Dr. Winifred Cullis (Easter Term)	1,500 00	
P. M. O'Sullivan	800 00	
Fellows (Sessional) at $500:		
Mrs. W. K. Fraser	500 00	
L. G. Kilborn (paid also as Laboratory Assistant)	500 00	
Mrs. M. E. McFarlane, Assistant, 12 mos. to 30 June	800 00	
Mechanician, at $100 per month:		
John Hay, 1 July to 31 Aug. (resigned)	200 00	
L. W. Taylor, 15 Sept. to 24 Nov. (resigned)	230 00	
F. W. Claasens, 26 Nov. to 30 June	716 66	
Laboratory Assistant:		
F. L. Robinson, at $750 (war service, balance after payment of substitute)	100 00	
L. G. Kilborn, substitute, 3 mos. to 30 Sept. at $650 per annum (paid also as Fellow)	162 50	
H. Watkins, substitute, 9 mos. from 1 Oct. at $650 per annum	487 50	
Mrs. Rachel Green, Cleaner, 52 weeks, less 4 days, at $6 per week	308 00	
A. E. Giddens, Laboratory Attendant (Sessional—paid also in Bio-Chemistry)	100 00	
		$8,904 66

History and Ethnology.

G. M. Wrong, Professor, 12 mos. to 30 June	$4,000 00	
Lecturers (Sessional), each, war service, half pay:		
R. Hodder Williams, at $2,000	1,000 00	
G. M. Smith, at $1,700	850 00	
Vincent Massey, at $500	250 00	
W. S. Wallace, at $500	250 00	
W. P. M. Kennedy, substitute Lecturer (Sessional—paid also in English)	1,250 00	
S. H. Hooke, Special Lecturer (Sessional)	750 00	
Miss Marjorie Reid, Instructor (Sessional)	800 00	
		$9,150 00

Comparative Philology.

A. J. Bell, Professor, 12 mos. to 30 June	$600 00	
		$600 00

Italian and Spanish.

Professors, each 12 mos. to 30 June:		
M. A. Buchanan	$3,200 00	
J. E. Shaw	3,100 00	

23. *Salaries.*—Continued.

A. Lipari, Lecturer (Sessional), at $1,500 (war service from 31 Dec., half pay)	750 00	
Instructors (Sessional):		
M. Catalano (war service, half pay)	450 00	
B. F. Swedelius, temporary (Easter Term)	400 00	
N. Cacciapuoti, temporary (Easter Term)	350 00	
		$8,250 00

Philosophy and Psychology.

J. G. Hume, Professor of the History of Philosophy, 12 mos. to 30 June	$3,800 00	
G. S. Brett, Professor of Philosophy, 12 mos. to 30 June (part time)	2,200 00	
A. H. Abbott, Associate Professor at $3.200 (war service, half pay—paid also as Secretary, University Extension)	1,600 00	
E. A. Bott, Lecturer in Philosophy and Assistant in Psychological Laboratory (Sessional), at $1,500 (war service, half pay)	750 00	
Assistant Professors, each 12 mos. to 30 June:		
W. G. Smith, Psychology	2,500 00	
T. R. Robinson, Philosophy	2,500 00	
E. J. Pratt, Demonstrator (Sessional)	1,100 00	
C. M. Hincks, Assistant in Psychological Laboratory (Sessional —paid also in Psychiatry)	200 00	
		$14,650 00

Political Science.

James Mavor, Professor, 12 mos. to 30 June	$4,000 00	
R. M. MacIver, Associate Professor, 12 mos. to 30 June	2,700 00	
Assistant Professors, Political Economy, each 12 mos. to 30 June:		
S. A. Cudmore	2,100 00	
W. T. Jackman	2,100 00	
A. H. F. Lefroy, Professor of Roman Law, Jurisprudence and History of English Law, 12 mos. to 30 June, $1,300; additional lectures (Sessional) in Federal, English and Colonial Constitutional Law, $700	2,000 00	
J. D. Falconbridge, Lecturer in Commercial and International Law (Sessional)	600 00	
		$13,500 00

History of Industrial Art.

C. T. Currelly, Professor (part time), 5 mos. from 1 February at $3,000 per annum (transferred from Museum)	$1,250 00	
		$1,250 00

(2) *Departments in University College* ($69,700).

Greek.

M. Hutton, Professor, 12 mos. to 30 June (paid also as Principal of University College)	$4,000 00	
A. Carruthers, Associate Professor, 12 mos. to 30 June	3,200 00	
		$7,200 00

Latin.

J. Fletcher, Professor (obit. 15 July), salary to 31 December at $4,000 per annum, paid to widow	$2,000 00	
Assistant Professors, each 12 mos. to 30 June:		
G. Oswald Smith	2,500 00	
E. A. Dale (transferred from Ancient History)	2,100 00	
Lecturers (Sessional):		
David Duff	1,800 00	
W. D. Woodhead	1,500 00	
		$9,900 00

23. *Salaries.*—Continued.

Ancient History.

W. S. Milner, Professor, 12 mos. to 30 June	$3,800 00	
Lecturers (Sessional):		
A. Grant Brown	1,900 00	
C. N. Cochrane, at $1,600 (war service, half pay)	800 00	
		$6,500 00

English.

W. J. Alexander, Professor, 12 mos. to 30 June	$4,000 00	
D. R. Keys, Associate Professor, Anglo-Saxon, 12 mos. to 30 June	3,200 00	
M. W. Wallace, Professor at $3,200 (war service, half pay)	1,600 00	
Lecturers (Sessional):		
W. P. M. Kennedy, substitute (paid also in History)	750 00	
W. H. Clawson	2,000 00	
A. F. B. Clark, at $1,600 (resigned 31 Dec.)	800 00	
R. K. Gordon, Fellow (Sessional)	500 00	
Miss M. C. Wrong, Temporary Assistant (Sessional—paid also as Resident Head, U. C. Women's Union)	250 00	
		$13,100 00

French.

Professors, each 12 mos. to 30 June:		
J. Home Cameron	$3,400 00	
J. S. Will	3,200 00	
St. Elme de Champ, Associate Professor, 12 mos. to 30 June	2,900 00	
Lecturers (Sessional):		
F. C. A. Jeanneret (paid also as Registrar of University College)	1,800 00	
H. S. McKellar	1,500 00	
Instructors (Sessional), each war service (full pay):		
P. Balbaud	800 00	
L. A. Bibet	500 00	
		$14,100 00

German.

G. H. Needler, Professor at $3,500 (war service, half pay)	$1,750 00	
B. Fairley, Associate Professor, 12 mos. to 30 June	2,700 00	
P. Toews, Assistant Professor at $2,300 (absent on sick leave, part pay)	1,000 00	
G. E. Holt, Lecturer (Sessional)	1,300 00	
		$6,750 00

Oriental Languages.

Professors, each 12 mos. to 30 June:		
W. R. Taylor	$3,400 00	
J. A. Craig	3,200 00	
		$6,600 00

Ethics.

F. Tracy, Professor, 12 mos. to 30 June	$3,400 00	
		$3,400 00

University College, General.

M. Hutton, Principal, 12 mos. to 30 June (paid also in Greek)	$1,000 00	
F. C. A. Jeanneret, Registrar, 12 mos. to 30 June (paid also in French)	500 00	
Miss C. Tocque, Registrar's Clerk, 12 mos. to 30 June	650 00	
		$2,150 00
		$241,606 79

24. *Retiring Allowances.*

Professor R. Ramsay Wright, retiring allowance, 3 mos. to 30 Sept. at $2,750 per annum	$687 50	
Miss L. Salter, retiring allowance, 12 mos. to 30 June	700 00	
		$1,387 50

25. *Main Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($19.72):		
Consumers' Gas Co.	$19 72	
Water ($77.41):		
City Treasurer	77 41	
Caretaker's supplies ($303.92):		
Superintendent's Dept., labour, $11.77; material, $292.15	303 92	
Cleaning ($1,802.31):		
Allen Mfg. Co., laundry	12 06	
Canadian Cleaning Co., cleaning windows	55 00	
Superintendent's Dept., labour	1,735,25	
Repairs and renewals ($2,693.01):		
Card & McConnell, exterminating rats	10 00	
T. Eaton Co., oak flooring, $188.10; linoleum, $44.10	232 20	
Macey Office Equipment Co., chairs	48 00	
A. Matthews, repairs to roof	242 43	
Photography, Dept. of, plans	80	
R. Robertson & Sons, masonry	68 25	
Routery Bros., plastering	25 95	
J. M. Wighton, masonry	119 50	
Superintendent's Dept., labour, $1,276.80; material, $669.08	1,945 88	
	$4,896 37	
Less sundry credits: cleaning, $71.70; repairs, $75.24	146 94	
	$4,749 43	
Janitor, C. E. Bradshaw, 12 months to 30 June	1,000 00	
Messenger Service:		
At $3.50 to $6.50 per week:		
Myrtle Bradshaw, 52 weeks	321 15	
Bessie Tipping, 35 weeks, 3 days	139 50	
Jack Cohen, 24 weeks, 4 days	131 00	
James Wallace, 14 weeks	87 49	
C. Scott (paid also in Superintendent's Office), 13 weeks, 2 days	66 43	
H. Pamplin, 8 weeks, 4 days	42 85	
Car fares of messengers, etc.	25 42	
		$6,563 27

26. *Biological Building and Department.*

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($53.36):		
Consumers' Gas Co.	$53 36	
Water ($31.97):		
City Treasurer	31 97	
Caretaker's supplies ($138.84):		
Superintendent's Dept., labour, $2.58; material, $136.26	138 84	
Cleaning ($648.24):		
Canadian Cleaning Co., cleaning windows	35 00	
Superintendent's Dept., labour	613 24	
Repairs and renewals ($1,280.23):		
Wm. Bartlett & Son, shades	$15 33	
Card & McConnell, exterminating rats	10 00	
City Treasurer, elevator license	5 00	
W. E. Dillon & Co., repairs to roof	123 83	
A. Matthews, repairs to roof	85 04	

26. *Biological Building and Department.*—Continued.

Photography, Dept. of, plans	40	
J. M. Wighton, masonry	48 65	
Superintendent's Dept., labour, $578.37; material, $413.61	991 98	
	$2,152 64	
Less sundry credits: repairs	37 06	
	$2,115 58	
Caretaker, D. J. Clark (with rooms, heat and light), 12 months to 30 June	800 00	
Attendant, Anatomical Section, H. McCormick, 12 months to 30 June (paid also in Anatomy)	400 00	
		$3,315 58
(*b*) Maintenance of Department:		
Laboratory and Lecture Room supplies ($310.40):		
Art Metropole, supplies	$10 63	
Bausch & Lomb Optical Co., chemicals	8 40	
Prof. B. A. Bensley, disbursements:		
Laboratory supplies, stationery, etc., $32.55; animals and food, $7.54; postage and express, $5.16; car fares and sundries, $4.75	50 00	
T. Eaton Co., soap and towels	10 89	
E. Harris Co., drawing supplies	10 00	
Ingram & Bell, chemicals	4 53	
Inland Revenue Dept., methylated spirits	26 03	
Lyman Bros. & Co., chemicals	5 25	
Ontario Game and Fisheries Dept., fish	7 30	
Photography, Dept. of, slides	6 25	
Students' Book Dept., books	28 30	
Wards' Natural Science Establishment, slides	19 97	
W. Lloyd Wood, chemicals	33 45	
University Press, printing and stationery	62 65	
Freight charges	3 95	
Superintendent's Dept., labour, $5.58; material, $17.22.	22 80	
Museum specimens, supplies and catalogue ($235.11):		
Miss M. E. Hunt, specimens	20 00	
W. S. Jackson, specimens	10 00	
Lyman Bros. & Co., chamois	3 57	
Office Specialty Mfg. Co., card sections	159 50	
Pilkington Bros., glass	3 36	
University Press, portfolio	4 75	
Freight charges	16 33	
Superintendent's Dept., labour, $13.37; material, $4.23.	17 60	
Marine and Lake Laboratories ($130.10):		
Expenses to and from stations collecting:		
Prof. E. M. Walker, travelling expenses.. $150 00		
Less returned, unused of advance, 1916-17. 19 90		
	130 10	
Students' Laboratory supplies ($621.22):		
Bausch & Lomb Optical Co., chemicals	2 70	
W. R. Brock Co., cloth	88 25	
Brown Bros., stencil	4 00	
D. J. Clark, worms	2 00	
Corey Bros., lampreys	14 50	
J. J. Dickson, frogs	11 25	
Wm. Fenton, guinea pigs	11 25	
W. J. R. Fowler, rabbits	35 00	
Ingram & Bell, chemicals	5 02	
Inland Revenue Dept., methylated spirits	44 02	
C. J. Kerr, rabbits	27 00	
E. B. S. Logier, rabbits	12 75	
Lyman Bros. & Co., chemicals	5 32	
Marine Biological Laboratory, material	64 37	
Powers & Powers, slide	2 05	
S. G. Sams, rabbits	1 50	

26. *Biological Building and Department.*—Continued.

Synthetic Drug Co., rabbits		8 75	
F. Thibault, stain		2 00	
W. Lloyd Wood, chemicals		44 50	
University Press, drawing pads and stationery		203 05	
Freight charges		5 30	
Superintendent's Dept., material		26 64	
New microscopes and apparatus ($128.77):			
Bausch & Lomb Optical Co., knife		3 50	
Day Sign Co., numbering microscopes		14 00	
T. Eaton Co., scale		4 55	
Grand & Toy, punch and sharpener		5 65	
T. S. Plaskett, repairs		10 50	
Charles Potter, glasses		5 50	
Pressure Cooker Co., cooker		13 12	
Spencer Lens Co., microscopes		69 25	
Freight charges		2 70	
Furnishings, departmental fittings and incidentals ($458.78):			
Allen Mfg. Co., laundry		24 91	
The Bursar, postage supplied		7 00	
Canada Furniture Manufacturers, chairs		5 44	
T. Eaton Co., crocks and towels		19 70	
Office Specialty Mfg. Co., trays		2 21	
Remington Typewriter Co., typewriter, $70.00; inspection, $13.50		83 50	
G. H. Robinson, cushions		6 75	
University Press, cards		3 65	
Superintendent's Dept., labour, $158.73; material, $116.89		275 62	
Messenger service ($264.00):			
P. Brangwin, 12 weeks at $5.00 per week, $60.00; 34 weeks at $6.00 per week, $204.00		264 00	
Alterations in Laboratory ($599.23):			
Superintendent's Dept., labour, $361.05; material, $238.18		599 23	
New Laboratory equipment ($1,149.84):			
Superintendent's Dept., labour, $730.85; material, $418.99		1,149 84	
		$3,897 45	
Less sundry credits:			
Royal College of Dental Surgeons, embalming rabbits	$25 00		
Inland Revenue Dept., barrels returned	8 00		
		33 00	
			$3,864 45
			$7,180 03

27. *Sub-Department of Botany.*

Apparatus and equipment ($835.71):	
Bausch & Lomb Optical Co., dishes and glassware	$40 06
T. Eaton Co., cork carpet	6 20
General Electric Co., motor	21 17
Gustavius D. Julien, lathe, etc.	400 60
Photography, Dept. of, slides	2 00
T. S. Plaskett, pump	118 00
Spencer Lens Co., camera and lamp	94 88
Prof. R. B. Thomson, petty disbursements	6 90
Topley Co., repairs	38 60
Toronto Hydro Electric System, heater	5 50
Freight charges	14 30
Superintendent's Dept., labour, $17.70; material, $69.80	87 50
Laboratory and office supplies (465.35):	
Bausch & Lomb Optical Co., alcohol, etc.	78 53
A. R. Bechtel, plants	5 05
The Bursar, postage supplied	11 00

27. *Sub-Department of Botany.*—Continued.

J. F. Hartz Co., alcohol	9 80
W. Holbrook, slides	3 60
Ingram & Bell, bottles	28 60
Inland Revenue Dept., methylated spirits	25 90
Marine Biological Laboratory, plants	15 06
Photography, Dept. of, micrographs and prints	17 45
Plant Study Co., material	17 09
Robert Simpson Co., towelling	3 00
Telfer Mfg. Co., cases	8 25
Topley Co., threads	4 20
Prof. R. B. Thomson, disbursements: Car fares and postage, $28.28; stationery, books, etc., $20.37; laboratory supplies, $12.74; flowers, etc., $9.93; typewriting, $3.00; express and customs, $2.49; telegrams and cables, $2.34	79 15
United Typewriter Co., inspection	5 25
University Press, drawing paper and stationery supplies	128 50
Freight charges	1 88
Superintendent's Dept., material	23 04
Museum and Herbarium supplies ($315.88):	
E. Ardley, repairs	8 71
Art Metal Construction Co., case	122 65
E. Bartholomew, plants	15 52
F. S. Collins, plants	10 08
Miss E. Criddle, plants	4 90
Inland Revenue Dept., methylated spirits	20 90
Photography, Dept. of, slides	22 90
Royal Ontario Museum of Archæology, specimen	80
J. E. Tilden, plants	59 31
University Press, paper and labels	25 40
Freight charges	23 71
Superintendent's Dept., material	1 00
Assistance in Museum and Herbarium ($378.15):	
Miss M. E. Currie, 120 hours at 50c. per hour	60 00
G. H. Duff, 50 hours at 50c. per hour (paid also on salary list)	25 00
N. C. Hart, 126 hours at 50c. per hour (paid also on salary list)	63 00
Miss J. McFarlane, 135½ hours at 50c. per hour (paid also on salary list)	67 75
Miss I. Underhill, 374 hours at 35c. per hour	162 40
Botanic Garden and Greenhouse supplies, material and labour in connection ($1,164.25):	
Aikenhead Hardware, mowers, block and chain, etc.	36 21
W. Calder & Sons, forgings	3 75
T. Eaton Co., label holders	3 60
Globe-Wernicke Co., card sections	48 50
Goodyear Tire & Rubber Co., hose	28 95
Lager & Hurrell, specimens	25 65
Thos. J. Lane, seeds	2 47
Macmillan Co. of Canada, book	6 00
T. Manton, roots	4 00
New York Botanical Garden, book	10 08
Ontario Lime Co., sand and cement	31 00
W. F. Petry, lumber and building material	86 89
Ryder & Son, seeds	11 38
Sheridan Nurseries, plants	9 30
Prof. R. B. Thomson, disbursements: Books, etc., $18.13; hardware, oils, etc., $15.02; manure, $8.00; car fare and postage, $7.27; seeds, etc., $6.10; lumber, $5.65; board, etc., for labourer, $5.50; collecting material, $3.68; sundries, $8.56	77 91
J. M. Wighton, bricks	5 00
University Press, cards	5 25
Petty items (3)	5 05
Freight charges	1 90

27. *Sub-Department of Botany.*—Continued.

Superintendent's Dept., labour, $15.02; material, $63.31....	78 33	
Miss L. V. Baker, 87 hours at 50c. per hour	43 50	
W. Brown, 668 hours at 30c. per hour	200 40	
G. Coull, 148 hours at 37c. per hour	54 76	
N. C. Hart, 60 hours at 40c. per hour (paid also on salary list)	24 00	
C. Huston, 292 hours at 37c. per hour	108 04	
Miss C. S. McCullough, 50 hours at 40c. per hour	20 00	
J. Simpson, 3 months, 8 days, at $65.00 per month	212 33	
Geo. Ward, work in greenhouse (paid also on salary list)..	20 00	
Clerical assistance ($254.35):		
Miss I. Underhill, 701 hours at 35c. per hour	245 35	
Miss C. Tocque, typing circulars	9 00	
Alterations in Laboratory ($473.57):		
Batts Ltd., frames	12 60	
W. F. Petry, lumber	45 00	
J. M. Wighton, excavating and masonry	317 00	
Superintendent's Dept., labour, $46.10; material, $52.87...	98 97	
	$3,887 26	
Less received from students for breakages	72 00	
		$3,815 26

28. *Department of Bio-Chemistry.*

Maintenance, laboratory and office supplies ($1,488.72):			
Allen Mfg. Co., laundry		$7 04	
Belding Paul Corticelli, silk		8 00	
Burroughs Adding Machine Co., adding machine		171 50	
T. Eaton Co., cups and frames		11 15	
Eimer & Amend, glassware, supplies and apparatus		504 16	
Grand & Toy, ink		2 50	
Grasselli Chemical Co., chemicals		81 93	
Harris Abattoir Co., eggs		13 50	
Geo. M. Hendry Co., crucibles		4 32	
Prof. A. Hunter, disbursements:			
Laboratory supplies, $31.97; food for animals, $6.94; car fares and postage, $3.35; glass-blowing, $3.15; books, $3.00		48 41	
Ingram & Bell, chemicals and glassware		348 29	
Inland Revenue Dept., methylated spirits		47 57	
Lake Simcoe Ice Supply Co., ice		50 25	
G. E. Leworthy, burettes		17 75	
Lyman Bros. & Co., chemicals		50 22	
Lymans, Ltd., Montreal, filter paper		27 55	
Ontario Rubber Co., tubing		4 66	
United Typewriter Co., inspection		6 00	
University Press, stationery and supplies		99 30	
Freight charges		35 00	
Superintendent's Dept., labour, $62.29; material, $62.60...		124 89	
		$1,663 99	
Less received from students for breakages, etc.	$143 30		
Special Research, Physiotherapy, chemicals and glassware supplied	31 97		
		175 27	
			$1,488 72

29. *Physiological Department.*

Maintenance, laboratory and office supplies ($1,138.57):	
Aikenhead Hardware, hardware	$87 33
J. T. Baker Chemical Co., chemicals	40 57
British Aluminium Co., aluminium	6 00
Canadian Carbonate Co., gas	6 00

29. *Physiological Department.*—Continued.

Canadian General Electric Co., electrical supplies	48 47	
Christie, Brown & Co., dog biscuit	64 46	
Eimer & Amend, pipettes, etc.	90 12	
J. A. Fontaine, frogs	62 50	
Mrs. Dora Freeland, animals	17 75	
W. Freeland, animals, $52.75; meat, $19.00	71 75	
Prof. A. Hunter, disbursements:		
Animals, etc., $11.50; chemicals and laboratory supplies, $6.15; key blanks, etc., $5.60; food for animals, $3.46; car fare, postage, etc., $1.91	28 62	
Ingram & Bell, supplies	15 81	
G. E. Leworthy glass-blowing	12 90	
Lyman Bros. & Co., chemicals	111 82	
Prof. A. B. Macallum, disbursements:		
Animals, etc., $12.90; chemicals and laboratory supplies, $4.11; car fare and postage, $3.20; express, $2.23; food for animals, $1.92; hardware, oils, etc., $1.85	26 21	
Prof. J. J. Mackenzie, disbursements:		
Chemicals and laboratory supplies, $44.09; animals, etc., $26.00; laundry, $22.15; car fares and postage, $17.20; hardware, oils, etc., $7.75; food for animals, $7.39; sundries, $5.12	129 70	
Ontario Rubber Co., tubing	7 88	
Charles Potter, gas	15 00	
Robert Simpson Co., cloth and supplies	35 90	
Synthetic Drug Co., rabbits, $21.75; cylinders and repairs, $26.60	48 35	
Arthur H. Thomas Co., syringes and needles	13 17	
Toronto Dog & Cat Hospital, animals	90 25	
University Press, stationery and supplies	44 15	
Freight charges	13 00	
Superintendent's Dept., material	50 86	
Apparatus ($480.63):		
Aikenhead Hardware, tools	132 43	
Goldsmiths' Stock Co. of Canada, watches	19 25	
Harvard Apparatus Co., apparatus	133 91	
Ingram & Bell, apparatus	58 50	
James Robertson Co., piping	33 51	
A. R. Williams Machinery Co., lathe parts	101 65	
Freight charges	1 38	
		$1,619 20

30. *Chemical Building and Department.*

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($144.71):		
Consumers' Gas Co.	$144 71	
Water ($46.45):		
City Treasurer	46 45	
Caretaker's supplies ($66.65):		
Superintendent's Dept., labour, $2.34; material, $64.31.	66 65	
Cleaning ($741.88):		
Allen Mfg. Co., laundry	5 13	
Canadian Cleaning Co., cleaning windows	12 00	
Superintendent's Dept., labour	724 75	
Repairs and renewals ($834.31):		
Wm. Bartlett & Son, shades	35 64	
A. Matthews, repairs	11 85	
Photography, Dept. of, plans	30	
Superintendent's Dept., labour, $393.13; material, $393.39	786 52	
		$1,834 00

Caretaker, E. Repath (paid as laboratory attendant, with rooms, fuel and light, chargeable against building and included in above).

30. *Chemical Building and Department.*—Continued.

(*b*) Maintenance of Department:		
Chemicals, glassware and apparatus ($1,515.67):		
Aikenhead Hardware, hardware	$11 79	
Aikenhead Hardware, hardware	$11 79	
Associated Industries of Japan, glassware and apparatus	185 14	
J. T. Baker Chemical Co., chemicals	70 47	
Bausch & Lomb Optical Co., glassware and filter paper	253 63	
R. Bigley Mfg. Co., stove	13 65	
Brown Engineering Corporation, pump	7 50	
The Bursar, postage supplied	13 00	
Canada Metal Co., zinc	5 75	
Canadian Carbonate Co., gas	3 00	
T. Eaton Co., radiator and utensils	13 93	
Fletcher Mfg. Co., apparatus and repairs	80 40	
Kentucky Tobacco Product Co., chemicals	11 82	
Lyman Bros. & Co., chemicals	41 14	
W. F. Maas, oil	2 15	
Prof. W. Lash Miller, disbursements: Laboratory supplies and sundries, $36.22; hardware, oils, etc., $10.45; cartage and freight, $5.18; telegrams, $1.47	53 32	
Moyes Chemical Co., cartridges	12 00	
O'Keefe Brewery Co., malt	3 00	
Office Specialty Mfg. Co., cases	4 86	
Ontario Cork Co., corks	12 97	
Ontario Rubber Co., tubing	3 50	
Fred. J. Perrin, matches	22 40	
Photography, Dept. of, slides	11 00	
University of Illinois, chemicals	192 30	
F. Wehrle & Son, brushes	55 08	
University Press, printing and stationery	20 45	
Freight charges	28 11	
Superintendent's Dept., labour, $230.73; material, $154.58	385 31	
	$1,517 67	
Less received from sale of material	2 00	
		$1,515 67
		$3,349 67

31. *Sub-Department of Physical Chemistry.*

Chemicals, apparatus and maintenance ($277.87):		
J. T. Baker Chemical Co., chemicals	$61 97	
Bausch & Lomb Optical Co., glassware	39 31	
W. R. Fetzer, charts	10 00	
J. S. Giles, alcohol	8 75	
G. E. Leworthy, glass-blowing	10 00	
F. D. Mezen, apparatus	17 40	
Sagamo Electric Co. of Canada, apparatus	58 85	
Spencer Lens Co., counting chamber	5 62	
Toronto Hydro-Electric System, heater	24 50	
University Press, paper	4 00	
Freight charges	65	
Superintendent's Dept., labour, $11.44; material, $25.38	36 82	
		$277 87

32. *Physics Building and Department.*

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant:		
Gas, city current and occasional fuel ($2.56):		
Consumers' Gas Co.	$2 56	
Water ($288.84):		
City Treasurer	288 84	
Caretaker's supplies ($77.71):		
Superintendent's Dept., labour, 50c.; material, $77.21	77 71	

32. *Physics Building and Department.*—Continued.

Cleaning ($873.88):		
Allen Mfg. Co., laundry	1 42	
Canadian Cleaning Co., cleaning windows	35 00	
Superintendent's Dept., labour	837 46	
Repairs and renewals ($1,453.27):		
Card & McConnell, exterminating rats	10 00	
City Treasurer, elevator license	5 00	
Johnson Temperature Regulating Co., overhauling system	42 65	
A. Matthews, repairs to roof	22 95	
Photography, Dept. of, plans	60	
Superintendent's Dept., labour, $906.73; material, $465.34	1,372 07	
	$2,696 26	
Less sundry credits: cleaning, $11.00; repairs, $3.81	14 81	
	$2,681 45	
Caretaker, J. Wicksey, 12 mos. to 30 June	950 00	
		$3,631 45
(*b*) Maintenance of Department:		
Laboratory and workshop supplies ($1,904.88):		
Aikenhead Hardware, hardware	$245 35	
Allen Mfg. Co., laundry	15 33	
Ansco Co., photographic supplies	6 08	
Baird & Tatlock (London) thermometers and glassware	145 08	
Bausch & Lomb Optical Co., lenses	23 68	
British American Oil Co., oil	2 15	
The Bursar, postage supplied	10 00	
Prof. E. F. Burton, disbursements: Hardware and sundries, $19.88; cable, telegram and telephone messages, $15.91; car fare, $3.40; express and cartage, $2.85	42 04	
Canada Metal Co., solder	7 53	
Canadian Carbonate Co., gas	6 75	
Canadian H. W. Johns-Manville Co., tubing	2 75	
Canadian Kodak Co., plates	16 88	
Central Electric Supply Co., electrical supplies	123 67	
Copp, Clark Co., stationery and supplies	23 97	
Cornell Co-operative Society, paper	7 96	
Corning Glass Works, tubing	22 29	
Dean Bros., castings	12 01	
T. Eaton Co., towelling and supplies	43 78	
Eimer & Amend, rubber	3 27	
A. Gallenkamp & Co., glassware and supplies	306 78	
W. & L. E. Gurley, burettes	2 89	
Geo. M. Hendry Co., supplies	156 45	
Adam Hilger, plates	59 57	
Imperial Glass Works, glass	3 20	
Ingram & Bell, bottles	3 09	
Wm. Jessop & Sons, steel	14 16	
Lake Simcoe Ice Supply Co., ice	31 10	
Lyman Bros. & Co., chemicals	69 00	
Geo. A. Matthews, repairs	38 35	
Prof. J. C. McLennan, disbursements for purchases abroad: Ammeters, $41.54; lantern slides, $24.09; compasses, $15.77; thermometers, $14.03; cablegram, $4.57	100 00	
Ontario Rubber Co., tubing	3 04	
Charles Potter, lenses	3 00	
W. G. Pye & Co., supplies	84 00	
Queen City Glass Co., silvering flasks	6 50	
Ryrie Bros., repairs	5 00	
Robert Simpson Co., tubes	7 20	
Toronto Salt Works, salt	7 40	
Toronto Stamp & Stencil Works, engraving	4 60	
United Typewriter Co., ink	2 65	

32. *Physics Building and Department.*—Continued.

White & Thomas, trays	6 00	
R. S. Williams & Sons Co., tuning forks, etc.	8 40	
C. Wilson & Son, weights	2 40	
University Press, stationery and supplies	97 70	
Petty items (7)	10 87	
Freight charges	24 79	
Superintendent's Dept., labour, $20.52; material, $65.65	86 17	
Apparatus ($730.28):		
American Meter Co., meter	67 46	
Art Metropole, protractors	4 90	
Booth-Coulter Copper & Brass Co., vessel	6 16	
British Oxygen Co., cup fibres	16 40	
Canada Metal Co., castings	31 69	
Central Electric Supply Co., ammeters	18 15	
Dental Supply Co., micrometers	17 10	
Dept. of Commerce, Washington, lamps	7 07	
Geo. M. Hendry Co., balance	3 53	
Ingram & Bell, apparatus	230 95	
Keuffel & Esser, slide rules	48 50	
John Millen & Sons, reflectors	6 22	
Ryrie Bros., watches	22 50	
Standard Foundry Co., castings	26 10	
Western Electrical Instrument Co., meters	177 19	
A. R. Williams Machinery Co., apparatus	19 66	
Freight charges	4 01	
Superintendent's Dept., labour, $19.91; material, $2.78	22 69	
Experimental tables, cases, books, charts, etc. ($464.05):		
T. Eaton Co., shades and rug	32 00	
Macmillan & Co., subscription	7 51	
McGraw-Hill Book Co., chart	3 45	
L. Rawlinson, upholstering	3 50	
Royal Society of Arts, reprints	1 53	
Robert Simpson Co., chairs, cushions and rug	37 95	
Students' Book Dept., books	2 25	
Taylor & Francis, reprints	22 71	
Superintendent's Dept., labour, $180.19: material, $172.96	353 15	
Workshop assistance ($229.83):		
Chas. Marriott, 32 weeks, 5 days at $7.00 per week	229 83	
	$3,329 04	
Less charts supplied to Applied Chemistry Dept.	9 00	
		$3,320 04
		$6,951 49

33. *Sub-Department of Astro-Physics.*

Maintenance ($270.65):	
H. Bakewell, engraving	$2 40
Canadian Carbon Co., batteries	7 93
Prof. C. A. Chant, disbursements:	
Laboratory and photographic supplies, $3.37; postage, $1.22; polishing wheels, $1.10; sundries, $4.90	10 59
Dean Bros., castings	30 50
J. P. Henderson, audion	5 50
Geo. M. Hendry Co., rheostat and cells	6 47
H. Jewell, slides	7 50
Photography, Dept. of, slides	10 60
T. S. Plaskett, repairs	11 70
J. G. Ramsey & Co., photographic supplies	9 28
Royal Astronomical Society, copies	20 00
W. R. Sachs, ball bearings	21 84
W. K. Simpson, mounting prisms and castings	31 60
Students' Book Dept., books	35 70
University of Chicago Press, slides	12 56
University Press, binding and stationery	17 85
Superintendent's Dept., labour, $25.90; material, $2.73	28 63

33. *Sub-Department of Astro-Physics.*—Continued.

Apparatus ($539.21):		
Bausch & Lomb Optical Co., objective	3 78	
C. L. Berger & Sons, planimeter	107 65	
C. F. Cole Co., planimeter	41 58	
Goldsmiths' Stock Co. of Canada, apparatus	150 00	
F. W. Merchant, coil	50 00	
W. K. Simpson, gyroscope	52 50	
Topley Co., microscope and lamp house	83 00	
S. White, clock cases, etc.	49 50	
Freight charges	1 20	
Expenses *re* observation of eclipse ($100.00):		
Prof. C. A. Chant, disbursements:		
Express, $82.63; cartage, etc., $13.85; hardware and lumber, $9.40; telegrams and consular certificate, $5.34; oilcloth, $5.00; photographic plates, $3.20, $119.42; less paid by Astronomical Society, $19.42	100 00	
		$909 86

34. *Geological Department.*

Maintenance ($383.59):		
Wm. Bartlett & Son, lantern screen	$16 34	
Grand & Toy, pencil sharpener	2 00	
John Hillock & Co., trays	32 50	
Office Specialty Mfg. Co., card sections	13 25	
Prof. W. A. Parks, petty disbursements	1 88	
Photography, Dept. of, slides and prints	60 05	
G. E. Stechert & Co., books	24 43	
Students' Book Dept., paper	6 25	
Superintendent of Documents, Washington, reprints	1 72	
A. T. Thompson & Co., carbons	11 62	
Toronto Book Co., book	5 00	
University of California Press, books	19 50	
Wards' Natural Science Establishment, specimens	79 34	
University Press, binding and stationery supplies	120 40	
Freight charges	1 20	
Superintendent's Dept., labour, $2.94; material, $4.77	7 71	
	$403 19	
Less received from students for breakages	19 60	
		$383 59

35. *Mineralogical Department.*

Maintenance ($498.02):		
Bausch & Lomb Optical Co., balances	$51 27	
T. Eaton Co., soap, etc.	3 16	
Eimer & Amend, chemicals and supplies	40 15	
J. S. Giles, alcohol	17 50	
Grand & Toy, stationery	7 95	
Geo. M. Hendry Co., blackboard	4 50	
Lyman Bros. & Co., chemicals	45 85	
Lymans Ltd., Montreal, screens	10 45	
L. Peterson & Co., cabinet	30 53	
Photography, Dept. of, slides	14 55	
Charles Potter, oxygen	7 50	
J. G. Ramsey & Co., photographic supplies	4 95	
Sauveur & Boylston, polishing machine	59 98	
J. Swift & Son, instruments	45 05	
Students' Book Dept., pencils	2 00	
Prof. T. L. Walker, petty disbursements	2 95	
Wards' Natural Science Establishment, specimens	37 33	
University Press, stationery and supplies	47 75	
Freight charges	9 86	
Superintendent's Dept., labour, $29.76; material, $24.98	54 74	
	$498 02	
Less received from students for breakages	26 16	
		$471 86

36. *Psychological Department.*

Maintenance ($399.88):		
J. G. Biddle, rheostat	$9 08	
Will Frost, pictures and designs	50 00	
Grand & Toy, fyles	26 40	
J. F. Hartz Co., microtome and oven	80 40	
J. Leballister, services as cleaner during the term	40 00	
Manhattan Electrical Supply Co., receivers	24 54	
Prof. W. G. Smith, disbursements:		
Chemicals and laboratory supplies, $21.14; hardware, oils, etc., $13.00; typewriter supplies, $7.02; stationery, etc., $6.78; electric heater, $5.50; violin bow, $4.00; cleaning, $1.00	58 44	
Students' Book Dept., note-books	55 20	
University Press, printing and stationery	98 75	
Superintendent's Dept., labour, $49.79; material, $20.47	70 26	
	$513 07	
Less sundry credits (Re-education)	113 19	
		$399 88

37. *Mathematical Department.*

Class room supplies ($3.45):		
University Press, stationery	$3 45	
		$3 45

38. *Sub-Department of Mechanics.*

Maintenance ($10.99):		
Anatomical Dept., methylated spirits	$0 25	
Applied Chemistry, Dept. of, alcohol	1 50	
R. Tanner, apparatus	10 00	
Topley Co., apparatus	14 40	
University Press, twine	12	
Superintendent's Dept., material	3 72	
	$29 99	
Less received from sale of pamphlets	19 00	
		$10 99

39. *Political Science.*

Class room supplies ($19.52):		
University Press, stationery and supplies	$9 97	
Freight charges	4 55	
Superintendent's Dept., labour, $1.53; material, $3.47	5 00	
		$19 52

40. *History.*

Class room supplies ($20.20):		
University Press, printing, stationery and supplies	$20 20	
		$20 20

41. *Italian and Spanish.*

Class room supplies ($17.45):		
Office Specialty Mfg. Co., card cabinet	$5 50	
Photography, Dept. of, slides	50	
Students' Book Dept., books	4 95	
University Press, stationery	6 50	
		$17 45

42. *University College Departments.*

Greek ($25.00):		
Mrs. Mary Johnston, books, $50.00 (collection of the late Prof. G. W. Johnston) less charged to Latin Dept., $25.00	$25 00	
Latin ($25.00):		
Mrs. Mary Johnston, books	25 00	

42. *University College Departments.*—Continued.

Ancient History ($17.50):		
Geo. M. Hendry Co., maps	17 50	
English ($12.00):		
Photography, Dept. of, slides	12 00	
French ($54.05):		
T. Eaton Co., lantern screen	12 15	
Prof. A. Ledoux, facsimiles of war posters	18 00	
Photography, Dept. of, slides	7 75	
Students' Book Dept., books and stationery	14 45	
University Press, stationery	70	
Superintendent's Dept., material	1 00	
German: (nothing spent).		
Orientals ($62.45):		
Geo. M. Hendry Co., maps	$17 50	
Students' Book Dept., books	24 95	
Yale University, tablets	20 00	
Ethics ($21.75):		
T. Eaton Co., bookcase	19 00	
Miss C. Tocque, typewriting	2 75	
		$217 75

43. *University College General Expenses.*

Stationery and printing ($70.86):		
The Bursar, postage supplied	$20 00	
National Typewriter Co., ribbon	1 00	
United Typewriter Co., ribbon and repairs	2 00	
University Press, stationery and supplies	47 86	
Advertising ($6.88):		
Evening Telegram	3 00	
News Publishing Co.	2 10	
Toronto Daily Star	1 78	
Incidentals ($90.08):		
Toronto Weekly Railway and Steamboat Guide Co., subscription to "Guide"	5 60	
R. M. Williams, illuminating resolutions	12 00	
Superintendent's Dept., labour, $43.49; material, $28.99	72 48	
		$167 82

44. *Trinity College Service.*

The Bursar, Trinity College, students' car fares for transportation to University lectures	$451 24	
		$451 24
		$277,313 41

III. Faculty of Medicine.

45. *Salaries.*

Anatomy:	
J. P. McMurrich, Professor, 12 mos. to 30 June	$4,000 00
J. C. Watt, Lecturer (Sessional), $2,000; additional course in Topographical Anatomy, $200	2,200 00
T. A. Robinson, Acting Demonstrator in charge of Dental Anatomy (Sessional), $200; Demonstrator for Dental students (Easter Term), $500	700 00
Assistants (Sessional):	
C. J. Copp	150 00
N. D. Frawley (paid also in Gynaecology)	150 00
E. R. Hooper	150 00
Wallace A. Scott (paid also in Surgery—war service)	150 00
G. E. Wilson (paid also in Surgery—war service)	150 00
G. R. Philp (war service)	100 00
R. E. Gaby (paid also in Surgery—war service)	50 00
T. R. Hanley, at $50 (Michaelmas Term—paid also in Therapeutics)	20 00

45. *Salaries.*—Continued.

H. D. Harrison, at $50 (Easter Term)	30 00	
J. E. L. Keyes, at $50 (Michaelmas Term)	20 00	
J. H. McPhedran, (paid also in Medicine—war service)	50 00	
C. B. Parker (paid also in Surgery)	50 00	
W. F. Plewes	50 00	
J. Richards, at $50 (Easter Term)	30 00	
J. X. Robert	50 00	
H. L. Rowntree, at $50 (from February)	20 00	
F. R. Scott, at $50 (resigned 2 February)	30 00	
F. W. Weston	50 00	
Miss G. Dowsley, Technical Assistant, 12 mos. to 30 June, at $436 per annum, less July and Aug. on leave of absence without salary	363 34	
G. Lynne, Caretaker and Laboratory Assistant, 12 mos. to 30 June	850 00	
H. McCormick, Laboratory Attendant, 12 mos. to 30 June, at $720 of which $400 charged as cleaner, Biological Building	320 00	
		$9,733 34
Pathology and Bacteriology:		
J. J. Mackenzie, Professor, 12 mos. to 30 June	$3,800 00	
Lecturers (Sessional):		
D. Graham, at $2,000 (war service, half pay)	1,000 00	
H. K. Detweiler, substitute (paid also from Medical Research Fund)	1,000 00	
Assistants (Sessional):		
J. A. Oille (paid also in Medicine)	150 00	
O. R. Mabee (paid also in Surgery)	100 00	
H. W. Baker (paid also in Surgery)	50 00	
R. R. Graham, at $50 (Michaelmas Term—paid also in Surgery—war service from January)	25 00	
Fletcher McPhedran (paid also in Medicine)	50 00	
R. W. Naylor	50 00	
W. L. Robinson	50 00	
D. H. Boddington, Assistant in Clinical Laboratory (Sessional—paid also in Chemical Pathology—war service)	125 00	
Laboratory Assistants, each 12 mos. to 30 June:		
A. Wilson, at $800 (of which $400 charged as Caretaker of Pathological Building)	400 00	
F. Thibault	700 00	
Laboratory Attendants for preparing media:		
Miss R. Price, 1 July to 30 Sept. at $40 per mo., $120; June, at $60	180 00	
Miss L. McLatchie, 1 Oct. to 31 May, at 40 per mo.	320 00	
A. E. Myers, 22 Aug. to 30 June, at $6 per week	299 00	
Miss I. E. Ruttan, Stenographer, 12 mos. to 30 June	750 00	
		$9,049 00
Chemical Pathology:		
Andrew Hunter, Professor, 12 mos. to 30 June	$3,800 00	
C. G. Imrie, Lecturer (Sessional), at $1,800, (war service, half pay	900 00	
W. R. Campbell, Demonstrator, substitute (Sessional)	1,000 00	
F. W. Rolph, Demonstrator and Assistant in Clinical Laboratory (Sessional)	750 00	
D. H. Boddington, Assistant in Clinical Laboratory (Sessional—paid also in Chemical Pathology—war service)	250 00	
Laboratory Assistant:		
A. Husband, at $650, war service, balance after payment of substitute	100 00	
T. Richardson, substitute, 12 mos. to 30 June	550 00	
Mrs. Margaret Davis, Laboratory Attendant, 12 mos. to 30 June	300 00	
		$7,650 00
Pharmacy and Pharmacology:		
V. E. Henderson, Associate Professor, at $3,000 (war service, half pay)	$1,500 00	
A. Brodey, Lecturer (Sessional), substitute	1,000 00	

45. *Salaries.*—Continued.

J. A. Macdonald, Assistant (Sessional)	250 00	
Class Assistants (Sessional):		
F. C. Harrison	75 00	
C. Sheard, Jr. (also in Medicine, without salary)	75 00	
W. P. J. Alexander	50 00	
T. James, Laboratory Assistant, 12 mos. to 30 June	800 00	
		$3,750 00
Clinical Departments:		
Medicine and Clinical Medicine ($6,650):		
Associates, each 12 mos. to 30 June:		
W. J. McCollum	$300 00	
J. H. Elliott	300 00	
H. C. Parsons (Clinical Medicine only—war service)	300 00	
D. McGillivray (war service)	300 00	
G. W. Howland	300 00	
H. S. Hutchison	300 00	
Demonstrators (Sessional):		
E. C. Burson	250 00	
F. A. Clarkson	250 00	
J. S. Graham (also Pediatrics)	250 00	
R. W. Mann	250 00	
A. J. Mackenzie (war service)	250 00	
J. H. McPhedran (paid also in Anatomy—war service)	250 00	
C. S. McVicar (war service)	250 00	
Brefney O'Reilly	250 00	
G. W. Ross (paid also in Therapeutics)	250 00	
D. King Smith (war service)	250 00	
G. S. Strathy (war service)	250 00	
C. J. Wagner	250 00	
G. S. Young	250 00	
Alan Brown	200 00	
A. W. Canfield (Clinical Assistant in Pediatrics)	200 00	
Fletcher McPhedran (paid also in Pathology)	200 00	
Assistants (Sessional):		
G. F. Boyer (war service)	150 00	
J. D. Loudon	150 00	
J. A. Oille (paid also in Pathology)	150 00	
M. B. Whyte	150 00	
G. Bates	50 00	
B. Hannah	50 00	
F. S. Minns	50 00	
T. J. Page	50 00	
F. S. Park (war service)	50 00	
G. E. Smith (Pediatrics)	50 00	
E. J. Trow	50 00	
R. G. Armour (war service—without salary)	.....	
T. J. Glover (without salary)	.....	
C. Sheard, Jr. (without salary—paid in Pharmacy)	.....	
C. D. Parfitt, Lecturer in Tuberculosis Clinic (Sessional)	50 00	
Surgery and Clinical Surgery ($5,310):		
Associates, each 12 mos. to 30 June:		
C. B. Shuttleworth	300 00	
J. F. Uren	300 00	
T. B. Richardson (war service)	300 00	
G. Silverthorn	300 00	
E. S. Ryerson (paid also as Assistant Secretary to Faculty—war service)	300 00	
W. J. O. Malloch (war service)	300 00	
Wallace A. Scott (paid also in Anatomy—war service)	300 00	
W. W. Jones	300 00	
Demonstrators (Sessional):		
M. H. V. Cameron	250 00	

45. *Salaries.*—Continued.

R. E. Gaby (paid also in Anatomy—war service)	250 00
W. E. Gallie (war service)	250 00
J. A. Roberts (war service)	250 00
N. S. Shenstone (war service)	250 00
G. E. Wilson (paid also in Anatomy—war service)	250 00
A. B. Wright	250 00
Assistants (Sessional):	
A. S. Moorhead (war service)	150 00
D. E. Robertson (war service)	100 00
H. W. Baker (paid also in Pathology)	50 00
F. A. Cleland	50 00
J. H. Cotton	50 00
T. A. J. Duff	50 00
R. R. Graham (paid also in Pathology—war service from January)	50 00
C. H. Hair	50 00
J. W. Hayes	50 00
O. R. Mabee (paid also in Pathology)	50 00
J. A. McCollum (war service)	50 00
P. K. Menzies (war service)	50 00
B. Z. Milner	50 00
C. B. Parker (paid also in Anatomy)	50 00
Robin Pearse (war service)	50 00
A. H. Perfect	50 00
L. B. Robertson (war service—without salary)	.....
Laboratory Attendant, at $35 per mo., half time, balance in Obstetrics and Gynaecology:	
Mrs. A. Lewis, 9 mos. from 1 July	157 50
Miss Muriel Bonham, 3 mos. from 1 April	52 50
Obstetrics and Gynaecology ($2,810):	
Associates, each 12 mos. to 30 June:	
W. B. Hendry, Gynaecology (war service)	300 00
J. A. Kinnear, Obstetrics	300 00
Demonstrators (Sessional):	
A. C. Hendrick, Gynaecology	250 00
M. M. Crawford, Obstetrics (war service)	250 00
W. J. Mabee, Obstetrics	250 00
S. J. N. Magwood, Obstetrics (war service)	200 00
Assistants (Sessional):	
J. G. Gallie, Obstetrics (war service)	100 00
William A. Scott, (war service, Easter Term)	50 00
N. D. Frawley, Gynaecology (paid also in Anatomy)	50 00
R. W. Wesley, Gynaecology	50 00
H. E. Clutterbuck, Gynaecology (war service, without salary)	.....
A. Johnston, Laboratory Assistant, 12 mos. to 30 June	800 00
Laboratory Attendant, at $35 per mo., half time, balance in Surgery:	
Mrs. A. Lewis, 9 mos. from 1 July	157 50
Miss Muriel Bonham, 3 mos. from 1 April	52 50
Ophthalmology ($450):	
Assistants (Sessional):	
C. A. Campbell	150 00
D. N. Maclennan	150 00
S. M. Lyon	50 00
W. W. Wright (war service)	50 00
A. F. Aylesworth	50 00
Oto-Laryngology ($600):	
Demonstrators (Sessional):	
P. Goldsmith (war service)	200 00
G. Royce (war service)	200 00
Assistants (Sessional):	
G. Biggs	50 00
Edmund Boyd	50 00
A. D. McKelvey	50 00
Jane P. Sproule	50 00

45. *Salaries.*—Continued.

Therapeutics ($1,000):		
C. E. C. Cole, Demonstrator (Sessional—war service)	200 00	
Assistants (Sessional):		
G. W. Ross, $150; as Acting Head of Department in absence of Dr. Rudolf, $150, (paid also in Medicine)	300 00	
S. R. D. Hewitt (war service)	50 00	
H. M. Tovell	50 00	
W. V. Watson	50 00	
S. Johnston, Demonstrator, Anaesthesia (Sessional)	250 00	
Assistants, Anaesthesia (Sessional):		
T. R. Hanley (paid also in Anatomy)	50 00	
M. D. McKichan (paid also in Biology)	50 00	
Hygiene ($200):		
R. D. Defries, Demonstrator (Sessional—paid also in Antitoxin Laboratory)	200 00	
Psychiatry ($125):		
J. M. Forster, Associate, 12 mos. to 30 June	50 00	
Harvey Clare, Demonstrator (Sessional)	25 00	
C. M. Hincks, Special Lecturer (Sessional—paid also in Psychology)	50 00	
Dental Surgery ($50):		
A. D. A. Mason, Demonstrator (Sessional)	50 00	
		$17,195 00
Associate Professors, each 12 mos. to 30 June:		
H. B. Anderson, Clinical Medicine, etc., (without salary)	.....	
A. M. Baines, Clinical Medicine and Pediatrics	700 00	
G. A. Bingham, Clinical Surgery and Clinical Anatomy	700 00	
H. A. Bruce, Clinical Surgery (war service)	700 00	
J. T. Fotheringham, Medicine and Clinical Medicine (war service)	700 00	
A. Primrose, Clinical Surgery (paid also as Secretary to Faculty—war service)	700 00	
F. N. G. Starr, Clinical Surgery	700 00	
W. B. Thistle, Clinical Medicine	600 00	
G. Chambers, Clinical Medicine (war service)	450 00	
R. J. Dwyer, Clinical Medicine	450 00	
H. T. Machell, Obstetrics and Pediatrics	450 00	
W. McKeown, Clinical Surgery (war service)	450 00	
C. L. Starr, Clinical Surgery (Orthopedics—war service)	450 00	
K. C. McIlwraith, Obstetrics	450 00	
J. G. Fitzgerald, Hygiene (paid also as Director of Antitoxin Laboratory—war service from March, 1918)	450 00	
W. Goldie, Clinical Medicine (war service from March, 1918)	350 00	
F. W. Marlow, Gynaecology	350 00	
G. Boyd, Oto-Laryngology	350 00	
J. Ferguson, Clinical Medicine	350 00	
S. M. Hay, Clinical Surgery	350 00	
A. A. Macdonald, Obstetrics and Gynaecology	350 00	
		$10,050 00
Professors, each 12 mos. to 30 June:		
I. H. Cameron, Surgery and Clinical Surgery (war service)	1,050 00	
A. McPhedran, Medicine and Clinical Medicine	1,050 00	
J. A. Amyot, Hygiene (war service)	2,000 00	
R. D. Rudolf, Therapeutics (war service)	1,000 00	
B. P. Watson, Obstetrics and Gynaecology	1,000 00	
N. A. Powell, Medical Jurisprudence, etc.	700 00	
D. J. G. Wishart, Oto-Laryngology	700 00	
J. M. MacCallum, Ophthalmology	700 00	
G. S. Ryerson, Ophthalmology and Otology (resigned)	450 00	
G. H. Burnham, Ophthalmology and Otology	450 00	
C. K. Clarke, Psychiatry (also Dean of the Faculty)	450 00	
N. H. Beemer, Mental Diseases (extra-mural, without salary)	.....	
		$9,550 00

45. *Salaries.*—Continued.

Secretary's Office.

A. Primrose, Secretary to Faculty (paid also as Associate Professor—war service)		$500 00	
E. S. Ryerson, Assistant Secretary (paid also in Surgery—war service)		500 00	
Miss E. A. Jamieson, Assistant, 12 mos. to 30 June		1,200 00	
Stenographers:			
Miss O. Russell, 12 mos. to 30 June		700 00	
Miss D. E. Wade, 9 mos. from 1 July at $600 per annum (resigned)		450 00	
Miss A. P. Perry, 3 mos. from 1 April at $600 per annum		150 00	
			$3,500 00
			$70,477 34

46. *Retiring Allowances.*

(Nothing spent.)

47. *Anatomical Department.*

Anatomical Material ($1,380.15):			
W. E. Baycroft		$16 00	
J. M. Crawford		16 00	
F. W. Matthews		459 50	
G. W. Morse		80 00	
H. R. Ranks		480 00	
J. Rogers		14 00	
Wm. Speers		208 00	
J. K. Shinn		16 00	
J. S. Torrance		16 00	
Superintendent's Dept., (boxes) labour, $30.69; material, $43.96		74 65	
Material for preservation, chemicals, etc. ($457.85):			
W. R. Brock Co., cloth		13 48	
Ingram & Bell, chemicals		312 56	
Inland Revenue Dept., methylated spirits		114 25	
Sanderson Pearcy & Co., oils		9 80	
Freight charges		1 80	
Superintendent's Dept., material		5 96	
Incidentals ($251.60):			
Allen Mfg. Co., laundry		10 27	
The Bursar, postage supplied		2 00	
T. Eaton Co., chair, mirror, etc.		16 00	
H. S. Eckets & Co., supplies		1 90	
Geo. M. Hendry Co., chart		9 80	
Hudson-Parker Ltd., coats		30 00	
James Robertson Co., sink		27 93	
Miss J. Satkowski, models		61 52	
Robert Simpson Co., towelling		11 40	
United Typewriter Co., inspection		5 25	
Wistar Institute of Anatomy and Biology, books		6 10	
University Press, cards and supplies		39 48	
Freight charges		1 87	
Superintendent's Dept., labour, $19.07; material, $9.01		28 08	
		$2,089 60	
Less received for barrels returned	$14 52		
Methylated spirits supplied to departments	2 25		
		16 77	
			$2,072 83

48. *Pathology and Bacteriology.*

Chemicals and supplies ($1,210.54):		
John Allan, meat	$8 25	
Allen Mfg. Co., laundry	8 95	
Baird & Tatlock (London), glassware and supplies	240 27	

48. *Pathology and Bacteriology.*—Continued.

The Bursar, postage supplied		12 00	
Canadian Carbonate Co., gas		30 75	
T. Eaton Co., towels		4 80	
Eimer & Amend, tags		15 15	
Grand & Toy, envelopes		2 00	
J. F. Hartz Co., syringes, cotton, etc.		87 75	
Geo. M. Hendry Co., chart		6 37	
Ingram & Bell, chemicals and supplies		293 73	
Inland Revenue Dept., methylated spirits		94 57	
International Equipment Co., tubes		4 13	
Prof. J. J. Mackenzie, disbursements:			
Food for animals, $16.77; postage and carfare, $1.90; animals, $1.50; sundries, $9.83		30 00	
John McGillian, carrots		89 10	
Standard Chemical, Iron & Lumber Co., acetone		18 40	
Wm. Staughton, fodder		84 37	
Stuart & Foster, ammonia		5 93	
Toronto Produce Co., fodder		8 79	
United Typewriter Co., holder and inspection		9 25	
University Press, stationery and supplies		80 36	
Freight charges		10 73	
Superintendent's Dept., labour, $18.84; material, $46.05		64 89	
Apparatus ($359.13):			
Baird & Tatlock (London), dishes		218 95	
Ingram & Bell, pipettes		27 75	
Richards Bros., repairs, racks, etc.		95 75	
Scientific Materials Co., apparatus		12 38	
Freight charges		4 30	
Care of refrigerating plant ($225.01):			
Superintendent's Dept., labour, $178.74; material, $46.27		225 01	
		$1,794 68	
Less received for barrels returned	$18 31		
Royal Ontario Museum of Geology, methylated spirits supplied	5 00		
		23 31	
			$1,771 37

49. *Chemical Pathology.*

Allen Mfg. Co., laundry		$5 84	
Prof. A. Hunter, disbursements:			
Stationery, etc., $8.55; typewriting, $5.00; rubber tubing, etc., $4.22; repairing instrument, $2.50; postage, $2.00		22 27	
Ingram & Bell, chemicals, glassware and supplies		272 85	
International Equipment Co., glassware		48 95	
Lyman Bros. & Co., chemicals		6 75	
Nichols Chemical Co., chemicals		3 20	
Stuart & Foster, ammonia		5 92	
Arthur H. Thomas Co., chemicals		174 49	
W. Lloyd Wood, outfit		12 02	
University Press, stationery and supplies		17 85	
Freight charges		2 93	
Superintendent's Dept., material		22 11	
Apparatus ($753.01):			
Andrew H. Baird, apparatus		79 80	
Geo. M. Hendry Co., funnels		6 37	
Ingram & Bell, apparatus		336 59	
Palo Co., crucible		43 64	
Scientific Materials Co., flasks		18 92	
Arthur H. Thomas Co., apparatus		247 76	
Freight charges		19 93	
Alterations and repairs ($108.35):			
Canadian Ice Machine Co., repairs		66 35	
Geo. A. Matthews, repairs		6 85	
Superintendent's Dept., labour, $4.57; material, $30.58		35 15	
			$1,456 54

50. *Pharmacy and Pharmacology.*

Supplies and apparatus ($430.09):		
Aikenhead Hardware, hardware	$17 95	
Bausch & Lomb Optical Co., glassware	28 67	
Dr. A. Brodey, disbursements:		
Hardware, oils, etc., $13.62; animals, $5.00; laundry, $3.00; oilcloth, $2.25; postage and carfare, $1.65; sundries, $9.94	35 46	
Carnahan's Drug Store, chemicals	10 92	
Dental Co. of Canada, gas	11 65	
T. Eaton Co., towelling, trimmer, etc.	7 24	
J. A. Fontaine, frogs	25 00	
Harvard Apparatus Co., apparatus	30 42	
F. Hickey, apparatus	60 00	
Ingram & Bell, glassware and supplies	59 55	
G. E. Leworthy, glass-blowing	9 85	
National Drug & Chemical Co., chemicals	14 87	
Ontario Rubber Co., tubing	11 98	
Wm. Staughton, fodder	13 20	
Synthetic Drug Co., meters	5 00	
Toronto Dog and Cat Hospital, rabbits	14 50	
University Press, fyles and paper	6 00	
Freight charges	2 43	
Superintendent's Dept., labour, $23.57; material, $41.83	65 40	
		$430 09

51. *Medicine.*

Charts, apparatus, microscopes, etc., ($142.00):		
Ingram & Bell, apparatus	$15 00	
Macey Sign Co., X-ray apparatus	62 00	
Toronto General Hospital, X-ray apparatus	65 00	
		$142 00

52. *Surgery.*

Supplies and laboratory expenses ($9.75):		
University Press, books	$9 75	
Apparatus, etc. ($88.75):		
Ingram & Bell, microscope and cabinet	88 75	
		$98 50

53. *Obstetrics and Gynaecology.*

Supplies and apparatus ($127.57):		
Ingram & Bell, apparatus and supplies	$51 97	
F. R. Lockhart, balopticon	42 00	
J. McCausland & Son, cover glasses	5 17	
J. G. Ramsey & Co., photographic supplies	8 91	
Dr. B. P. Watson, petty disbursements	7 57	
University Press, note-books and labels	11 95	
		$127 57

54. *Ophthalmology.*

(Nothing spent.)

55. *Oto-Laryngology.*

(Nothing spent.)

56. *Therapeutics.*

(Nothing spent.)

57. *Hygiene.*

Supplies, apparatus and alterations ($756.40):		
T. Eaton Co., table	$3 25	
Mrs. M. Gratton, cleaning, 3 days	4 50	
Model Incubator Co., incubator	45 00	
New Jersey Entomological Co., collection	5 05	
Superintendent's Dept., labour, $377.05; material, $321.55	698 60	
Occasional assistance ($200.00):		
Wm. Knowles	150 00	
Miss H. Finegan	50 00	
		$956 40

58. *Medical Jurisprudence.*

(Nothing spent.)

59. *Medical Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($424.27):		
Consumers' Gas Co.	$424 27	
Water ($362.22):		
City Treasurer	362 22	
Caretaker's supplies ($119.37):		
Superintendent's Dept., labour, 88c.; material, $118.49	119 37	
Cleaning ($1,013.56):		
Allen Mfg. Co., laundry	3 23	
Canadian Cleaning Co., cleaning windows	45 00	
Superintendent's Dept., labour	965 33	
Repairs and renewals ($1,418.90):		
Card & McConnell, exterminating rats	10 00	
City Treasurer, elevator license	5 00	
A. Matthews, repairs	374 76	
Photography, Dept. of, plans	3 60	
Routery Bros., plastering	2 00	
Superintendent's Dept., labour, $624.65; material, $398.89	1,023 54	
Sundries: Seating lecture rooms ($376.55):		
McKay School Equipment, desks, etc.	371 33	
Freight charges	5 22	
	$3,714 87	
Less sundry credits: repairs, $7.40; cleaning, $3.00	10 40	
	$3,704 47	
Caretaker, Thos. Motton, 12 mos. to 30 June	850 00	
		$4,554 47

60. *Pathological Building.*

Heat and light supplied by Toronto General Hospital:			
Toronto General Hospital, in full of account for heat and light for the six years ending 1 July, 1917 ($17,400.00, less charged in previous years, $15,750.00)	$1,650 00		
Do. on account for year 1917-18	2,900 00		
Held in suspense account pending adjustment	3,500 00		
		$8,050 00	
Gas and city current ($479.43):			
Consumers' Gas Co.		479 43	
Water ($338.20):			
City Treasurer		338 20	
Caretaker's supplies ($119.96):			
Superintendent's Dept., labour, $2.10; material, $117.86		119 96	
Cleaning ($821.52):			
Allen Mfg. Co., laundry		2 46	
Canadian Cleaning Co., cleaning windows		27 00	
Superintendent's Dept., labour		792 06	

60. *Pathological Building.*—Continued.

Repairs and renewals ($450.42):		
City Treasurer, elevator licenses	10 00	
A. Matthews, repairs to roof	72 04	
Photography, Dept. of, plans	5 40	
R. Robertson & Sons, masonry	48 87	
Superintendent's Dept., labour, $234.52; material, $79.59	314 11	
	$10,259 53	
Less sundry credits: repairs	25	
	$10,259 28	
Caretaker, Alex. Wilson, 12 mos. to 30 June, $800.00 (of which $400.00 charged as laboratory attendant)	400 00	
		$10,659 28

61. *General Expenses.*

Stationery, printing, postage and office supplies ($1,272.23):		
The Bursar, postage supplied	$201 80	
Will Frost, drawings	12 00	
Miss E. A. Jamieson, petty disbursements	10 00	
Lowe-Martin Co., cards, folders and stationery	155 04	
McAinsh & Co., fountain pen	2 50	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., desk	46 50	
United Typewriter, inspection, key tops, etc.	24 50	
University Press, calendar, printing and stationery	803 65	
Superintendent's Dept., labour, $6.02; material, 22c.	6 24	
Appropriations for Dean's office ($375.64):		
Dr. C. K. Clarke, for disbursements by him	334 39	
Dr. N. A. Powell, travelling expenses	41 25	
Summer Session in Medicine ($600.00):		
Remuneration to Instructors:		
A. S. Moorhead	100 00	
O. R. Mabee	100 00	
R. R. Graham	100 00	
G. S. Young	100 00	
J. D. Loudon	100 00	
A. G. McPhedran	100 00	
		$2,247 87
		$94,994 26

IV. Faculty of Applied Science.

62. *Salaries.*

Professor W. H. Ellis, Dean of the Faculty, 12 mos. to 30 June	$4,000 00	
		$4,000 00

Electrical Engineering.

T. R. Rosebrugh, Professor, 12 mos. to 30 June	$3,800 00	
H. W. Price, Associate Professor, 12 mos. to 30 June	2,800 00	
Lecturers (Sessional):		
W. S. Guest	1,700 00	
A. R. Zimmer	1,600 00	
Electricians, each 12 mos. to 30 June:		
W. R. McKee	800 00	
A. Cunningham, Assistant	575 00	
		$11,275 00

Mechanical Engineering.

R. W. Angus, Professor, 12 mos. to 30 June	$3,400 00	
L. M. Arkley, Assistant Professor, 12 mos. to 30 June	2,200 00	

62. *Salaries.*—Continued.

Lecturers (Sessional):		
J. J. Traill, Hydraulics	2,000 00	
J. H. Billings, Machine Design	1,600 00	
J. H. Parkin, Thermodynamics, at $1,500 (war service, half pay)	750 00	
F. Hickey, Machinist, 10 mos. salary	1,000 00	
R. Fullerton, Engineer of Experimental Plant, 12 mos. to 30 June (resigned), $850; paid to 15 Sept., $177.08	1,027 08	
Laboratory Firemen, at $60 per month:		
Walter Odd, 26 Sept. to 27 Oct., 16 Dec. to 20 April	318 25	
A. J. Jordan, 29 Oct. to 15 Dec.	96 90	
G. S. Laing, Laboratory Assistant, 12 mos. to 30 June	875 00	
		$13,267 23

Applied Mechanics.

J. McGowan, Professor, 12 mos. to 30 June	$3,300 00	
P. Gillespie, Associate Professor, 12 mos. to 30 June	2,800 00	
Assistant Professors, each 12 mos. to 30 June:		
C. R. Young, at $2,500 (war service, half pay)	1,250 00	
A. T. Laing, (part time—paid also as Secretary to Faculty)	800 00	
W. K. Simpson, Mechanician, 12 mos. to 30 June	1,300 00	
F. Baker, Laboratory Attendant, 38 weeks at $2.40	91 20	
		$9,541 20

Mining Engineering.

H. E. T. Haultain, Professor, 12 mos. to 30 June	$3,800 00	
Lecturers (Sessional):		
F. C. Dyer	1,600 00	
J. T. King	1,500 00	
E. Tozer, Laboratory Assistant, 12 mos. to 30 June	800 00	
M. O'Bryan, Laboratory Attendant, 9 mos. salary	400 00	
		$8,100 00

Metallurgical Engineering.

G. A. Guess, Professor, 12 mos. to 30 June	$3,800 00	
J, Rachwal, Laboratory Attendant, 4 mos. from 1 Oct. (half time)	143 75	
		$3,943 75

Ferro-Metallurgy.

T. R. Loudon, Assistant Professor, at $2,400 (war service, salary voluntarily given up)	.....	.....

Surveying.

L. B. Stewart, Professor, 12 mos. to 30 June	$3,800 00	
W. M. Treadgold, Assistant Professor, at $2,500, (war service, part pay)	1,100 00	
Lecturers (Sessional):		
S. R. Crerar	2,000 00	
E. W. Banting	1,700 00	
		$8,600 00

Applied Chemistry.

J. Watson Bain, Professor of Chemical Engineering, 1 July to 28 Feb., at $3,300; with Can. War Mission to U. S. from 1 March, without salary	$2,200 00	
M. C. Boswell, Associate Professor of Organic Chemistry, 12 mos. to 30 June	2,500 00	
E. G. R. Ardagh, Assistant Professor of Analytical Chemistry, 12 mos. to 30 June	2,500 00	

62. *Salaries.*—Continued.

L. J. Rogers, Lecturer, Analytical Chemistry, (Sessional)	1,200 00	
G. E. Leworthy, Lecture Assistant and Glass-blower, (Sessional)	750 00	
D. Sinclair, Laboratory Assistant, 12 mos. to 30 June	1,000 00	
Miss F. McMechan, Temporary Instructor, Chemical Engineering (Sessional—paid also as Assistant to Secretary)	50 00	
		$10,200 00

Electro-Chemistry.

J. T. Burt-Gerrans, Lecturer (Sessional)	$1,900 00	
W. G. Birrell, Demonstrator (Sessional)	800 00	
E. A. Bishop, Lecture Assistant (Michaelmas Term—paid also as caretaker, Chem. and Mining Bldg.)	50 00	
J. Benson, Laboratory Attendant, 8 mos. salary	200 00	
		$2,950 00

Architecture.

C. H. C. Wright, Professor, 12 mos. to 30 June	$3,800 00	
A. W. McConnell, Assistant Professor, at $2,400 (war service, half pay)	1,200 00	
J. M. Lyle, Substitute Instructor, Architectural Design (Sessional)	500 00	
H. H. Madill, Lecturer (Sessional), at $1,400 (war service, half pay)	700 00	
Instructors (Sessional):		
A. S. Mathers, substitute	500 00	
C. W. Jefferys, Freehand Drawing	700 00	
J. L. Banks, Modelling	700 00	
Miss J. C. Laing, Instructor, etc., 12 mos. to 30 June	900 00	
		$9,000 00

Drawing.

C. H. C. Wright, Professor (paid as Prof. of Architecture)	.....	
J. R. Cockburn, Assistant Professor, Descriptive Geometry, at $2,500 (war service—half pay)	$1,250 00	
W. J. Smither, Lecturer (Sessional), also substituting	1,600 00	
Demonstrators (Sessional):		
F. E. Watson	1,100 00	
O. Margison	900 00	
R. W. Harris, Assistant Instructor, 1 mo.	100 00	
George Brown, Attendant in Drafting Rooms, 9 mos. salary	550 00	
		$5,500 00

Engineering Physics and Photography.

G. R. Anderson, Associate Professor, 12 mos. to 30 June	$2,800 00	
G. L. Wallace, Demonstrator (Sessional)	1,100 00	
A. J. Burge, Photographer, 9 mos. salary	600 00	
		$4,500 00

Special Lectures.

W. S. Ferguson, Lecture in Accountancy (Sessional)	$600 00	
A. R. Clute, Lectures in Company Law (Sessional)	200 00	
		$800 00

Secretary's Office.

A. T. Laing, Secretary to Faculty and Librarian, 12 mos. to 30 June (paid also in Applied Mechanics)	$2,000 00	
Miss F. McMechan, Assistant to Secretary, 12 mos. to 30 June (paid also in Applied Chem.)	900 00	
Miss R. Cave, Stenographer, 12 mos. to 30 June	750 00	
		$3,650 00
		$95,327 18

63. *Chemistry and Mining Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($463.56):		
Consumers' Gas Co.	$463 56	
Water ($109.41):		
City Treasurer	109 41	
Caretaker's supplies ($196.55):		
Superintendent's Dept., labour, $1.16; material, $195.39	196 55	
Cleaning ($1,693.36):		
Allen Mfg. Co., laundry	16 95	
Canadian Cleaning Co., cleaning windows	40 00	
Superintendent's Dept., labour	1,636 41	
Repairs and renewals ($1,549.72):		
Wm. Bartlett & Sons, shades	54 55	
Card & McConnell, exterminating rats	10 00	
City Storage Co., cartage	1 25	
City Treasurer, elevator license	10 00	
Johnson Temperature Regulating Co., overhauling system	77 46	
A. Matthews, repairs to roof	30 77	
R. Robertson & Sons, masonry	12 59	
Ryrie Bros., repairs to clock	3 50	
University Press, name plate	10	
Superintendent's Dept., labour, $785.92; material, $563.58	1,349 50	
	$4,012 60	
Less sundry credits: repairs, $52.74; cleaning, $9.00	61 74	
	$3,950 86	
Caretaker, E. Bishop, 12 mos. to 30 June	1,000 00	
Messengers at $5.00 per week ($257.14):		
Alice Wilson, 41 weeks, 4 days	208 57	
L. Hunter, 9 weeks, 5 days	48 57	
		$5,208 00

64. *Engineering Building.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($89.03):		
Consumers' Gas Co.	$89 03	
Water ($83.02):		
City Treasurer	83 02	
Caretaker's supplies ($89.50):		
Superintendent's Dept., labour, 50c.; material, $89.00	89 50	
Cleaning ($1,243.72):		
Allen Mfg. Co., laundry	2 48	
Canadian Cleaning Co., cleaning windows	40 00	
Superintendent's Dept., labour	1,201 24	
Repairs and renewals ($1,200.91):		
Card & McConnell, exterminating rats	10 00	
A. Matthews, repairs to roof	93 20	
R. Robertson & Sons, masonry	16 26	
Routery Bros., plastering	14 50	
F. E. Watson, plans	15 00	
Superintendent's Dept., labour, $633.63; material, $418.32	1,051 95	
	$2,706 18	
Less sundry credits: repairs, $1.80; cleaning, $2.00	3 80	
	$2,702 38	
Caretakers ($700.00):		
W. J. Graham, 12 mos. to 30 June (reduced service)	500 00	
S. J. Apted (supervision)	200 00	
		$3,402 38

65. *Thermodynamics Building.*

Heat and light (supplied from Central Power Plant):		
Fuel for Experimental Plant ($858.58):		
Connell Anthracite Mining Co.	$858 58	

65. *Thermodynamics Building.*—Continued.

Gas and city current ($7.49):		
Consumers' Gas Co.	7 49	
Water ($48.54):		
City Treasurer	48 54	
Caretaker's supplies ($77.20):		
Superintendent's Dept., labour, $1.16; material, $76.04	77 20	
Cleaning ($227.99):		
Allen Mfg. Co., laundry	6 15	
Canadian Cleaning Co., cleaning windows	20 00	
Superintendent's Dept., labour	201 84	
Repairs and renewals ($571.28):		
A. Matthews, repairs to roof	18 87	
Photography, Dept. of, plans	40	
Superintendent's Dept., labour, $224.13; material, $327.88	552 01	
		$1,791 08

66. *Geodetic Observatory Building.*

Heat and light (supplied from Central Power Plant):		
Water ($10.00):		
City Treasurer	$10 00	
Caretaker's supplies ($9.73):		
Superintendent's Dept., material	9 73	
Cleaning ($115.75):		
Superintendent's Dept., labour	115 75	
Repairs and renewals ($175.35):		
Elliott & Brown, moving stone for clock	40 00	
Photography, Dept. of, plans	10	
Routery Bros., plastering	17 60	
Superintendent's Dept., labour, $96.20; material, $21.45	117 65	
		$310 83

67. *Electrical Engineering.*

Supplies ($1,393.92):		
Aikenhead Hardware, hardware	$218 38	
T. Atkinson, casting	2 50	
Baines & Peckover, steel	55 37	
Belden Mfg. Co., wire	33 29	
Canadian General Electric Co., electrical supplies	61 27	
Canadian H. W. Johns-Manville Co., asbestos	66 68	
Canadian National Carbon Co., carbons	37 52	
Cosmos Chemical Co., lacquer	14 20	
Crucible Steel Co., steel	46 43	
Diehl Mfg. Co., commutators	8 23	
Dodge Mfg. Co., patterns and castings	52 83	
T. Eaton Co., supplies	18 34	
Electrical Controller & Mfg. Co., coil	5 84	
Factory Products Co., electrical supplies	24 13	
Gordon, Mackay & Co., cloth	9 60	
Hardware Co. of Toronto, hardware	56 65	
L. E. Knott Apparatus Co., coils	6 14	
Rice Lewis & Son, hardware	11 20	
Lyman Bros. & Co., chemicals	12 59	
Macdonald Mfg. Co., tins	2 54	
McClary Mfg. Co., containers	11 57	
James Morrison Brass Mfg. Co., brass rod	108 71	
Northern Electric Co., jacks, etc.	6 00	
Ontario Rubber Co., tubing	10 29	
Photography, Dept. of, prints	2 90	
Plastics Ltd., bakelite board	42 00	
Rogers Electric Co., switches	3 78	
Prof. T. R. Rosebrugh: audions purchased, $38.20; office supplies and sundries, $22.71; hardware, oils, etc., $12.39; car fare, $7.00; electrical supplies, $4.28	84 58	
Sanderson Pearcy & Co., oils	6 57	
Trumbull Electric Mfg. Co., electrical supplies	149 94	
Weston Electrical Instrument Co., repairs	6 13	

67. *Electrical Engineering.*—Continued.

Wilkinson & Kompass, steel	11 80	
University Press, pencil sharpener	1 00	
Petty items (3)	5 11	
Freight charges	10 35	
Superintendent's Dept., labour, $93.89; material, $95.57	189 46	
Apparatus ($1,473.60):		
Aikenhead Hardware, drill	82 81	
Canadian Fairbanks-Morse Co., scale	36 75	
Canadian Westinghouse Co., regulator, etc.	355 00	
Dalton Mfg. Corporation, lathe	281 67	
T. Eaton Co., thermometer	10 00	
Edison Storage Battery Co., batteries	103 42	
Gregory Electric Co., motors	403 35	
Pyrolectric Instrument Co., galvanometer	141 03	
Rogers Electric Co., batteries	15 30	
Freight charges	44 27	
Furniture, printing and incidentals ($114.71):		
Office Specialty Mfg. Co., cabinets and guides	71 41	
University Press, printing and stationery	43 30	
	$2,982 23	
Less received from Willis-Faber Co., for damage to instruments in transit	87 30	
		$2,894 93

68. *Mechanical Engineering.*

Supplies ($527.00):		
Prof. R. W. Angus, disbursements:		
Hardware, oils, etc., $9.17; slides and blue prints, $3.05; pamphlets, etc., $2.05; rubber tubing, $1.40; sundries, $6.69	$22 36	
Aikenhead Hardware, hardware	188 69	
Wm. Bartlett & Son, curtain	19 40	
Beardmore Belting Co., belting	9 70	
T. Eaton Co., bookcase	20 00	
Garlock Packing Co., pipe covering	38 78	
Geo. M. Hendry Co., meter sticks	2 36	
G. E. Leworthy, glass-blowing	4 00	
Photography, Dept. of, slides and prints	5 45	
Precision Instrument Co., capillaries	19 50	
R. Robertson & Sons, repairs	30 82	
E. R. Watts & Son, tracing linen	22 40	
University Press, stationery and supplies	6 70	
Petty items (2)	3 92	
Freight charges	3 40	
Superintendent's Dept., labour, $25.69; material, $103.83	129 52	
Apparatus ($568.37):		
Bristol Co., gauges	58 25	
C. F. Cole Co., slide rule	17 87	
J. L. C. Nornabell, camera	63 95	
Precision Instrument Co., kit	61 39	
Republic Flow Meters Co., meter	109 87	
Sheldons Ltd., motor parts	48 00	
Toronto Hydro-Electric System, stove	6 50	
Veeder Mfg. Co., counters	16 42	
Weston Electric Instrument Co., transformers, etc.	100 18	
Yale & Towne Mfg. Co., block and chain	60 72	
Freight charges	7 43	
Superintendent's Dept., labour, $9.39; material, $8.40	17 79	
Proportion of Fuel for Experimental Plant ($650.00):		
Connell Anthracite Mining Co.	650 00	
		$1,745 37

69. *Applied Mechanics.*

Supplies ($146.47):		
Allen Mfg. Co., laundry	$ 45	
Baines & Peckover, steel	19 93	
Britnell & Co., cement	3 75	

69. *Applied Mechanics.*—Continued.

Hardware Co. of Toronto, hardware and belting	38 85	
Photography, Dept. of, slides	75	
Superintendent's Dept., labour, $50.95; material, $31.79	82 74	
Apparatus ($15.50):		
National Electric Heating Co., heater	7 00	
Toronto Hydro-Electric System, heater	8 50	
		$161 97

70. *Mining Engineering.*

Supplies ($525.93):		
Aikenhead Hardware, hardware	$50 72	
Denver Fire Clay Co., weights and supplies	51 22	
Doan & Charles, fuel	20 21	
F. C. Dyer, disbursements:		
Supplies, $5.24; express, $4.00; glass tubing, etc., $2.50	11 74	
T. Eaton Co., supplies	51 40	
Eimer & Amend, chemicals and glassware	44 72	
H. C. Fry Glass Co., beakers	3 53	
Gowans, Kent & Co., jars	8 63	
Geo. M. Hendry Co., tubing	4 25	
Kilgour Bros., bags	18 20	
J. T. King, petty disbursements	4 80	
Lyman Bros., & Co., chemicals and tubing	33 30	
Lymans Ltd., Montreal, filter paper and chemicals	26 95	
Ontario Rubber Co., tubing	3 54	
Palo Co., beakers	7 28	
Photography, Dept. of, slides	4 75	
S. M. Robertson, dies	13 50	
Rogers Supply Co., fire clay	2 50	
T. S. Simms & Co., brushes	5 02	
University Press, stationery and supplies	27 88	
Petty items (3)	3 75	
Freight charges	13 76	
Superintendent's Dept., labour, $50.46; material, $63.82	114 28	
Apparatus ($342.33):		
Boston Gear Works, ball bearings	6 81	
Dodge Mfg. Co., pulleys	7 85	
F. Hickey, base	9 40	
A. Matthews, apparatus parts	36 49	
McGregor & McIntyre, steel plates	7 36	
S. M. Robertson, apparatus parts	35 00	
A. H. Winter-Joyner, meters	12 77	
Superintendent's Dept., labour, $123.03; material, $103.62	226 65	
	$868 26	
Less received from Military Hospitals' Commission for construction of ore bins	44 45	
		$823 81

71. *Metallurgical Engineering.*

Supplies ($248.20):		
Canadian Hoskins, Ltd., plates	$ 80	
Eimer & Amend, chemicals and glassware	205 33	
General Filtration Co., plates	3 65	
National Electric Heating Co., heating element	2 25	
Washington Mills Emery Mfg. Co., emery	8 83	
A. J. Weeks, tanks	11 12	
Freight charges	11 99	
Superintendent's Dept., labour, $1.66; material, $2.57	4 23	
Apparatus ($107.23):		
Bausch & Lomb Optical Co., microscope parts	30 37	
Geo. A. Matthews, commutator and repairs	22 80	
National Electric Heating Co., repairs	2 25	
Freight charges	26 62	
Superintendent's Dept., labour, $11.83; material, $13.31	25 14	
	$355 43	
Less tube supplied to Special Research	4 50	
		$350 93

72. *Ferro-Metallurgy.*

Supplies ($1.50):		
Photography, Dept. of, slides	$1 50	
		$1 50

73. *Surveying.*

Supplies ($192.63):		
Art Metropole, paper	$17 74	
McGraw-Hill Book Co., books	6 46	
McKay School Equipment, lamps and paper	13 23	
R. Robertson & Sons, trimming stone work	26 91	
Prof. L. B. Stewart, petty disbursements	7 87	
University of Toronto Engineering Society, supplies	3 05	
University Press, paper	5 00	
Petty items (3)	3 87	
Superintendent's Dept., labour, $31.34; material, $77.16	108 50	
Preliminary expenses *re* Site of Summer Camp ($192.91):		
Travelling expenses:		
E. W. Banting	38 75	
S. R. Crerar	21 45	
Prof. L. B. Stewart	70 21	
James Dickson, surveying site	62 50	
		$385 54

74. *Applied Chemistry.*

Supplies ($852.83):		
Prof. J. W. Bain, petty disbursements	$5 04	
Bario Metal Corporation, crucible	2 45	
Blaisdell Paper Pencil Co., pencils	13 62	
Bureau of Standards, Washington, standards	7 37	
Chemical Products of Canada, chemicals	6 25	
Driver-Harris Co., wire	29 37	
International Glass Co., tubing	14 52	
L'Air Liquide Society, gas	6 00	
Leeds & Northrup Co., lamps	2 45	
Lyman Bros. & Co., chemicals	20 24	
Lymans Ltd., Montreal, chemicals and glassware	64 66	
McKay School Equipment, tubing	2 00	
Nichols Chemical Co., chemicals	169 15	
Ontario Rubber Co., tubing	5 56	
Palo Co., burner	3 41	
Photography, Dept. of, slides	8 05	
Physics, Dept. of, charts	9 00	
T. S. Plaskett, liquid air	3 00	
Randall-Faichney Co., thermometers	35 62	
Richards Glass Co., tubing	5 50	
Arthur H. Thomas Co., chemicals and glassware	209 95	
Toronto Plate Glass Importing Co., glass	5 00	
United Typewriter Co., repairs	13 00	
Miss I. Wallace, chemicals and supplies	55 57	
University Press, stationery and binding	25 95	
Freight charges	13 79	
Superintendent's Dept., labour, $65,19; material, $51.12	116 31	
Apparatus ($341.18):		
Alliance Beverage Co., safe, $70.00; boiler, $20.00	90 00	
J. G. Biddle, rheostat	14 52	
Leeds & Northrup Co., galvanometer, etc.	72 80	
J. & J. Taylor, cartage of safe	4 20	
Taylor Instrument Co.'s, indicator and repairs	110 03	
Freight charges	1 28	
Superintendent's Dept., labour, $34.35; material, $14.00	48 35	
	$1,194 01	
Less alcohol supplied to Mechanics Dept.	1 50	
		$1,192 51

75. *Electro-Chemistry.*

Supplies ($518.61):		
J. T. Baker Chemical Co., chemicals	$249 12	
Bausch & Lomb Optical Co., glassware	126 02	

75. *Electro-Chemistry.*—Continued.

Booth-Coulter Copper & Brass Co., brass rod	9 19	
Canadian Kodak Co., paper	1 95	
Central Electric Supply Co., cord	14 00	
H. B. Latimer, chemicals	20 00	
Lyman Bros. & Co., chemicals	17 83	
Prof. W. Lash Miller, disbursements:		
Laboratory and office supplies, $21.15; hardware, oils, etc., $16.35; car fares, $1.00; sundries, $10.04	48 54	
Toronto Plate Glass Importing Co., glass	5 00	
Freight charges	11 95	
Superintendent's Dept., material	15 01	
Apparatus ($831.14):		
Bausch & Lomb Optical Co., apparatus	410 69	
Beaver Flint Glass Co., rectifier	11 00	
Canadian Westinghouse Co., motors	48 00	
G. E. Leworthy, repairs	17 80	
Robert Simpson Co., motor	11 95	
Vokes Hardware Co., tools	33 40	
Ward-Leonard Electric Co., bases	11 97	
Weston Electrical Instrument Co., meters	205 64	
Freight charges	8 24	
Superintendent's Dept., labour, $56.35; material, $16.10	72 45	
		$1,349 75

76. *Architecture and Drawing.*

Architecture:		
Supplies ($148.83):		
Allen Mfg. Co., laundry	$1 08	
Anatomy, Dept. of, methylated spirits	2 00	
Canadian Bag Co., scrim	10 00	
T. Eaton Co., towels and frame	10 34	
Hardware Co. of Toronto, hardware	7 11	
Ontario Lime Co., plaster paris	7 50	
Photography, Dept. of, slides and prints	8 70	
Students' Book Dept., books and stationery	41 57	
University Press, paper and stationery	15 94	
Sundry subscriptions:		
American Architect	12 12	
Architectural Forum	5 58	
Architectural Review	6 08	
International Studio	5 68	
Chas. Scribner's Sons	6 08	
Superintendent's Dept., material	9 05	
Assistance and models for life classes ($100.00):		
F. E. Simpson, assistance	100 00	
	$248 83	
Drawing:		
Supplies ($84.51):		
Art Metropole, paper cutter and supplies	15 64	
Photography, Dept. of, prints	30	
Students' Book Dept., fountain pens and note-books	10 27	
United Typewriter Co., inspection and paper	5 00	
University Press, pencils and carbon paper	12 50	
Superintendent's Dept., labour, $2.10; material, $38.70	40 80	
Printing instruction sheets ($26.65):		
University Press	26 65	
		$359 99

77. *Engineering Physics and Photography.*

Engineering Physics:		
Supplies ($212.65):		
Canadian Fairbanks-Morse Co., batteries, lenses, etc.	$82 60	
Canadian General Electric Co., lamps	18 64	
Eimer & Amend, chemicals	10 02	
Grand & Toy, fyles	6 50	

77. *Engineering Physics and Photography.*—Continued.

Hardware Co. of Toronto, hardware	14 84	
Geo. M. Hendry Co., supplies	37 92	
Lake Simcoe Ice Supply Co., ice	3 04	
McGraw Hill Book Co., books	8 58	
University Press, stationery	11 50	
Petty items (3)	4 01	
Superintendent's Dept., material	15 00	
Apparatus ($248.47):		
G. J. Beattie, photometer	110 00	
Canadian General Electric Co., ammeter	55 25	
C. F. Cole Co., planimeter, etc.	38 70	
Consolidated Optical Co., telescope	14 63	
Geo. M. Hendry Co., apparatus	29 89	
	$461 12	
Photography:		
Supplies ($682.75):		
Ansco Co., supplies	$129 11	
Art Metropole, globes	2 94	
Canadian Kodak Co., films, plates and supplies	241 61	
C. F. Cole Co., paper, etc.	46 60	
T. Eaton Co., supplies	50 93	
Lyman Bros. & Co., chemicals	42 79	
W. J. Moore, repairs	5 00	
J. G. Ramsey & Co., supplies	24 21	
P. L. Tait, repairs	23 90	
Topley Co., mirrors	36 00	
University Press, printing and supplies	8 53	
Petty items (5)	7 45	
Superintendent's Dept., labour, $40.86; material, $22.82	63 68	
Apparatus ($262.21):		
Ansco Co., printer	16 67	
Canadian Fairbanks-Morse Co., scale and generator	26 30	
Cooper-Hewitt Electric Co., apparatus	67 92	
T. Eaton Co., trimmer	16 90	
F. R. Lockhart, camera	20 00	
Ramsey & Taylor, camera and lens	73 49	
Topley Co., apparatus	35 05	
Freight charges	5 88	
Messenger service ($119.00):		
Miss N. Coope, 22 weeks at $5.00 to $6.00 per week	119 00	
	$1,525 08	
Less received for work done for various departments (including accounts receivable, $32.35)	387 95	
		$1,137 13

78. *General Expenses.*

Stationery, printing and office supplies ($801.71):		
The Bursar, postage supplied	$140 00	
Grand & Toy, cabinet	10 75	
R. L. Hylands, almanac	1 50	
Mackenzie & Co., mounting and framing	3 50	
Miss L. E. Mason, clerical assistance, 2 weeks at $7.50 per week	15 00	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., tables, cabinet and stationery	103 55	
Remington Typewriter Co., inspection and repairs	13 25	
Stromberg-Carlson Telephone Mfg. Co., desk telephones	25 78	
United Typewriter Co., inspection	3 00	
University Press, calendar, printing and stationery	471 23	
Freight charges	2 90	
Superintendent's Dept., material	1 25	
		$801 71
		$117,244 61

V. Faculty of Household Science.

79. *Salaries.*

Household Science Department ($7,800):		
Miss A. L. Laird, Associate Professor, 12 mos. to 30 June	$2,500 00	
Lecturers (Sessional):		
Miss L. L. Ockley (Special course—paid also in Education)	1,500 00	
Miss Z. A. Herrick	1,200 00	
Instructors (Sessional):		
Miss Helen Scott (half time to special course)	1,000 00	
Mrs. M. V. M. Scott (half time to special course)	1,000 00	
Miss M. C. McDonald, Laboratory Assistant (Sessional)	600 00	
Food Chemistry Department ($3,100):		
Dr. C. C. Benson, Associate Professor of Physiological Chemistry (also Secretary to the Faculty), 12 mos. to 30 June	2,500 00	
Miss Ruth Neff, Instructor in Physiological Chemistry (Sessional)	600 00	
		$10,900 00

80. *Household Science Building and Department.*

(*a*) Maintenance of Building:		
Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($185.60):		
Consumers' Gas Co.	$185 60	
Water ($74.94):		
City Treasurer	74 94	
Caretaker's supplies ($147.41):		
Superintendent's Dept., labour, $2.88; material, $144.53	147 41	
Cleaning ($1,231.96):		
Canadian Cleaning Co., cleaning windows	30 00	
Superintendent's Dept., labour	1,201 96	
Repairs and renewals ($501.56):		
Card & McConnell, exterminating rats	10 00	
City Treasurer, elevator license	5 00	
Johnson Temperature Regulating Co., repairs	7 75	
F. E. Watson, plans	5 00	
J. M. Wighton, masonry	16 50	
Superintendent's Dept., labour, $338.51; material, $118.80	457 31	
	$2,141 47	
Less sundry credits: cleaning	16 00	
	$2,125 47	
Caretaker, F. Hanmer, 12 mos. to 30 June (with rooms, heat and light)	885 00	
		$3,010 47
(*b*) Maintenance of Departments:		
(1) Household Science:		
Laboratory supplies ($623.41):		
Wm. Davies Co., provisions	$43 85	
Farmers' Dairy Co., milk	23 12	
Harris Abattoir Co., meat and provisions	106 80	
Geo. M. Hendry Co., graduates	4 20	
R. Higgins & Son, groceries	107 02	
Lyman Bros. & Co., chemicals	12 35	
McKay School Equipment Co., supplies	135 90	
Medland Bros., klim	15 50	
Ontario Rubber Co., tubing	1 46	
A. Provan, groceries	202 08	
	$652 28	
Less received from students for breakages	28 87	
	$623 41	

80. *Household Science Building and Department.*—Continued.

Laboratory attendance ($704.00):		
Mrs. Apted, 17 days at $1.50 per day	25 50	
Mrs. Bowes, 6 months at $37.00, $222.00; 3½ months at $35.00, $122.50	344 50	
Mrs. Conacher, 6 months at $35.00, $210.00; 3½ months at $32.00, $112.00	322 00	
Mrs. Gough, 8 days at $1.50	12 00	
Equipment and incidentals ($256.59):		
McClary Mfg. Co., ovens	176 04	
Toronto Hydro-Electric System, oven	60 00	
United Typewriter Co., inspection	3 00	
Freight charges	1 45	
Superintendent's Dept., labour, $14.80; material, $1.30	16 10	
Use of city schools ($450.00):		
Board of Education, City of Toronto, 6 rooms at $150.00 a room (half session)	450 00	
Books ($50.00):		
Students' Book Dept.	50 00	
(2) Food Chemistry:		
Maintenance ($463.13):		
Bausch & Lomb Optical Co., micrometer	$3 43	
Dr. C. C. Benson, disbursements:		
Laboratory and office supplies, $16.07; food supplies, $11.95; cleaning material, etc., $6.10; rubber tubing, $5.85	39 97	
T. Eaton Co., towelling	7 92	
Eimer & Amend, chemicals, glassware and supplies	158 89	
General Chemical Co., chemicals	45 84	
Geo. M. Hendry Co., supplies	64 14	
Lyman Bros. & Co., chemicals	35 92	
McLary Mfg. Co., oven	14 67	
Students' Book Dept., books	10 35	
Arthur H. Thomas Co., balances, etc.	96 73	
Petty items (2)	2 55	
Freight charges	17 00	
Superintendent's Dept., labour, $20.19; material, $6.41	26 60	
	$524 01	
Less received from students for breakages	60 88	
	$463 13	
Laboratory attendance ($166.21):		
At $4.50 per week:		
Mrs. E. Melvin	29 10	
Miss Baker	9 90	
At $1.50 and $1.75 per day:		
Mrs. Wright	54 14	
Miss F. Burton	49 07	
Mrs. L. Whitehouse	9 00	
Mrs. E. Swanton	7 50	
Mrs. R. Apted	6 00	
Mrs. L. Earrey	1 50	
(3) General Expenses:		
Stationery, printing, office supplies and incidentals ($81.00):		
The Bursar, postage supplied	27 00	
University Press, paper and stationery	54 00	
Clerical assistance ($265.00):		
At $10.00 per week:		
Miss L. Maclennan, 14 weeks	140 00	
Miss M. Cowan, 12½ weeks	125 00	
		$3,059 34
		$16,969 81

VI. Faculty of Education.

81. *Salaries.*

	Payment to Officer.	Superannuation reservations under 7 Geo. V. Cap. 58.
Professors, each 12 mos. to 30 June:		
W. Pakenham, History and Science of Education (also Dean of Faculty), at $4,000	$3,876 25	$123 75
H. J. Crawford, Methods in Classics, also Headmaster of Schools, at $3,400	3,294 38	105 62
P. Sandiford, Associate Professor, 12 mos. to 30 June, at $3,200	3,100 63	99 37
Assistant Professors in Methods, also Chief Instructors, Schools, each 12 mos. to 30 June:		
G. A. Cornish, Science, at $2,700	2,616 25	83 75
J. T. Crawford, Mathematics, at $2,700	2,616 25	83 75
Lecturers in Methods, also Chief Instructors, Schools, each 12 mos. to 30 June:		
G. M. Jones, English and History, at $2,700	2,616 25	83 75
W. C. Ferguson, French and German, at $2,600	2,519 38	80 62
F. E. Coombs, Elementary Subjects, at $2,600	2,519 38	80 62
S. W. Perry, Art and Commercial Work, at $2,400	2,325 63	74 37
Instructors in Faculty and Assistant Instructors, Schools, each 12 mos. to 30 June:		
A. N. Scarrow, Constructive Work and Manual Training, at $2,100	2,035 00	65 00
G. N. Bramfitt, Music, at $2,000 (war service, half pay)	969 06	30 94
Assistant Instructors, University Schools:		
T. M. Porter, 12 mos. to 30 June, at $2,400	2,325 63	74 37
H. A. Grainger, 12 mos. to 30 June, at $2,400	2,325 63	74 37
J. A. Irwin, 12 mos. to 30 June, at $2,300	2,228 75	71 25
J. O. Carlisle, 12 mos. to 30 June, at $2,200	2,131 88	68 12
J. G. Workman, 12 mos. to 30 June, at $2,200	2,131 88	68 12
W. J. Dunlop, 12 mos. to 30 June, at $2,100	2,035 00	65 00
H. G. Manning, at $2,000 (war service, half pay)	967 88	32 12
F. Halbus, substitute for Manning, salary for 10 teaching mos. at $160 per mo.	1,548 75	51 25
G. A. Cline, at $2,000 (war service, half pay)	967 88	32 12
Substitute for Cline:		
G. A. Ballantyne, 3 mos. to 30 Nov. at $170 per mo. (resigned)	497 25	12 75
F. Phillips, 10 days at $5 per day	50 00	.....
J. G. Adams, 6 mos. from 1 Jan. at $180 per mo.	1,053 00	27 00
W. L. C. Richardson, 12 mos. to 30 June at $2,000	1,938 13	61 87
H. B. Kilgour, substitute for Bramfitt, salary for 10 teaching mos. at $150 per mo.	1,462 50	37 50
N. L. Murch, 12 mos. salary (10 payments) at $1,900	1,839 00	61 00
D. E. Hamilton, 12 mos. to 30 June, at $1,800	1,744 38	55 62
E. L. Daniher, 12 mos. salary (10 payments), at $1,700	1,645 50	54 50
W. J. Lougheed, 12 mos. salary (10 payments), at $2,400	2,340 00	60 00
W. H. Williams, 12 mos. salary (10 payments), at $2,300	2,242 50	57 50
Special Instructor in Music (Sessional), A. T. Cringan, at $400	390 00	10 00
Special Instructors (Sessional):		
Miss L. L. Ockley, Household Science (paid also in Household Science)	100 00	
Miss I. Sutherland, Household Science	100 00	.....
Miss E. Robertson, Sewing	100 00	.....
Supervisors of Practice-teaching (Sessional):		
J. Jeffries, High Schools	100 00	.....
N. Macdonald, Public Schools	100 00	.....
Miss L. Swinarton, Stenographer in Dean's Office, 12 mos. to 30 June	800 00	.....
Miss G. Cotter, Assistant Clerk, 12 mos. to 30 June	650 00	.....
	$62,304 00	$1,886 00
		62,304 00
		$64,190 00

82. *Education Building and Department.*

(*a*) Maintenance of Building:		
Fuel ($2,395.02):		
Connell Anthracite Mining Co.	$52 03	
W. H. Cox Coal Co.	1,685 94	
Doan & Charles	398 39	
Britnell & Co., teaming, $225.61; unloading, $33.05	258 66	
Light ($619.29):		
Toronto Electric Light Co.	521 07	
Consumers' Gas Co.	98 22	
Water ($203.04):		
City Treasurer	203 04	
Caretaker's supplies ($360.50):		
Superintendent's Dept., labour, $3.72; material, $356.78	360 50	
Cleaning ($1,670.39):		
Canadian Cleaning Co., cleaning windows	$20 00	
Superintendent's Dept., labour	1,650 39	
Repairs and renewals ($1,127.91):		
Canadian Powers Regulator Co., repairs	4 00	
Elliott & Brown, plastering	25 00	
A. Matthews, repairs to roof	27 20	
Photography, Dept. of, plans	5 40	
John Rydall, rake	2 75	
Toronto Iron Works, flange	15 70	
J. M. Wighton, masonry	54 50	
Superintendent's Dept., labour, $589.33; material, $404.03	993 36	
	$6,376 15	
Less sundry credits: cleaning, $40,56; repairs, $55.91	96 47	
	$6,279 68	
Engineer and caretaker, S. Hunter, 12 mos. to 30 June	1,200 00	
Firemen at $65.00 per month:		
Chas. Fly, 4½ months	292 50	
G. Maitland, 2 months, 4 days	138 66	
S. Green, 1 month, 6½ days	76 91	
Messengers, at $4.00 to $6.00 per week (paid also under Department):		
N. Shiniman, 18 weeks, 3 days	85 71	
B. Tipping, 14 weeks, 2 days	67 36	
I. Hurd, 13 weeks, 1 day	52 57	
Advertisement for messenger	24	
		$8,193 63
(*b*) Maintenance of Department:		
Use of city schools ($3,600.00):		
Board of Education, City of Toronto, 24 rooms at $150.00 a room	$3,600 00	
Clerical assistance ($390.00):		
Miss C. Angier, 32½ weeks at $12.00 per week	390 00	
Laboratory assistance ($97.32):		
I. Hurd, 9 weeks at $2.00 per week, $18.00; 4 weeks at $1.50 per week, $6.00	24 00	
N. Shiniman, 13 weeks at $2.00 per week	26 00	
Mrs. McKerrigan, 108 hours at 21½c. per hour	23 23	
Mrs. Nelson, 112 hours at 21½c. per hour	24 09	
Office supplies, printing, postage and incidentals ($720.77):		
The Bursar, postage supplied	150 00	
T. Eaton Co., table and chair	24 00	
Field, Love & House, rent of typewriter	18 75	
Might Directories, city directory	10 00	
Office Specialty Mfg. Co., sections	15 68	
Prof. W. Pakenham, disbursements:		
Office supplies and sundries, $14.52; telegrams and long distance calls, $13.22; carfares, $10.75; keys, $2.90	41 39	
Royal Office Supply Co., desk	32 00	

82. *Education Building and Department.*—Continued.

United Typewriter Co., stationery supplies and inspection	71 70	
University Press, calendar, printing and stationery	321 65	
Superintendent's Dept., labour, $24.72; material, $10.88	35 60	
General supplies and apparatus for class room use, including lockers and furniture ($1,995.18):		
Miss M. E. Bowers, illuminating honour roll	50 00	
Canadian Carbonate Co., gas	2 40	
Chicago Botanical Supply Co., slides, etc.	61 27	
C. F. Cole Co., drawing supplies	11 40	
Denoyer-Geppert Co., maps	41 80	
T. Eaton Co., shades, curtains and supplies	165 57	
A. P. Freund, material	14 75	
Gourlay, Winter & Leeming, piano hire	30 00	
Geo. M. Hendry Co., supplies	163 02	
R. Laidlaw & Co., lumber	53 25	
L'Air Liquide Society, gas	9 50	
Lyman Bros. & Co., chemicals	41 60	
Mackenzie & Co., framing pictures	53 50	
McKay School Equipment Ltd., desks, etc.	244 52	
Paul Monroe, slides	28 21	
Office Specialty Mfg. Co., cases	2 36	
Pathescope of Canada Ltd., film service, $37.50; lamps, $12.75	50 25	
J. G. Ramsey & Co., repairs	3 50	
C. H. Stoelting Co., tests	25 23	
Students' Book Dept., books and supplies	250 23	
Superintendent of Documents, Washington, maps	4 60	
Topley Co., lamp and reflector	36 80	
Wm. Tyrrell & Co., books	4 60	
Vokes Hardware Co., hardware	9 05	
R. M. Williams, engrossing diplomas	15 10	
University Press, printing, stationery and supplies	150 32	
Sundry newspapers, advertising for teachers	10 36	
Petty items (3)	3 33	
Superintendent's Dept., labour, $245.05; material, $213.61	458 66	
Athletics ($617.36):		
Aura Lee Club, use of athletic grounds	200 00	
Ryrie Bros., medals and fobs	115 60	
A. G. Spalding & Bros., balls and bats	29 50	
University Press, programmes, etc.	45 75	
Superintendent's Dept., labour, $204.26; material, $22.25	226 51	
Lunch room equipment ($44.95):		
T. Eaton Co., utensils	23 45	
Superintendent's Dept., labour, $8.01; material, $13.49	21 50	
Pianist's services at physical culture classes ($90.00):		
Miss J. L. Goodman, 180 hours at 50c. per hour	90 00	
Use of swimming tank at Knox College ($25.00):		
Knox College	$25 00	
		$7,580 58
(*c*) Education Building Annex:		
Alterations ($6,698.63):		
Canadian H. W. Johns-Manville Co., pipe covering	$92 29	
City Treasurer, installing water service	42 01	
Elliott & Brown, plastering and masonry	484 75	
A. Matthews, repairs to roof, $132.91; ventilation flues, $65.85	198 76	
J. M. Wighton, masonry	8 25	
Superintendent's Dept., labour, $2,779.12; material, $3,110.45	5,889 57	
	$6,715 63	
Less received from sale of fence	17 00	
	$6,698 63	

82. *Education Building and Department.*—Continued.

Furnishings and equipment ($1,775.91):		
Canada Furniture Manufacturers, furniture	191 14	
T. Eaton Co., divans and scrim	32 80	
Macey Office Equipment Co., chairs	223 00	
McKay School Equipment Ltd., desks	787 25	
G. H. Robinson, chairs	39 00	
Freight charges	7 20	
Superintendent's Dept., labour, $32.62; material, $462.90	495 52	
Maintenance:		
Fuel ($912.99):		
W. H. Cox Coal Co., fuel	801 49	
Britnell & Co., teaming	111 50	
Light ($34.11):		
Consumers' Gas Co.	14 33	
Toronto Electric Light Co.	19 78	
Water ($52.25):		
City Treasurer	52 25	
Caretaker's supplies ($76.64):		
Superintendent's Dept., labour, 66c.; material, $75.98	76 64	
Cleaning ($143.35):		
Canadian Cleaning Co., cleaning windows	3 10	
Superintendent's Dept., labour	140 25	
Sundries ($208.85):		
Crescent Concrete Paving Co., granolithic walks	79 50	
Superintendent's Dept., labour, $80.24; material, $49.11	129 35	
		$9,902 73
		$89,866 94

VII. Faculty of Forestry.

83. *Salaries.*

B. E. Fernow, Professor (also Dean of the Faculty), 12 mos. to 30 June	$4,000 00	
Assistant Professors, each 12 mos. to 30 June:		
W. N. Millar, 1 July to 31 Aug., at $2,300; (far service, half pay, from 1 Sept.)	1,341 66	
C. D. Howe, at $2,500, of which $1,250 charged to Botany	1,250 00	
J. H. White, on leave of absence, part time (also in Botany)	600 00	
Miss E. W. Mills, Stenographer in Dean's Office, 12 mos. to 30 June	700 00	
		$7,891 66

84. *Forestry Building and Department.*

(*a*) Maintenance of Building:		
Fuel ($700.90):		
Connell Anthracite Mining Co.	$700 90	
Light ($220.30):		
Toronto Electric Light Co.	130 37	
Consumers' Gas Co.	89 93	
Water ($40.27):		
City Treasurer	40 27	
Caretaker's supplies ($44.07):		
Superintendent's Dept., labour, $2.12; material, $41.95	44 07	
Cleaning ($292.14):		
Allen Mfg. Co., laundry	2 82	
Canadian Cleaning Co., cleaning windows	7 00	
Superintendent's Dept., labour	282 32	
Repairs and renewals ($336.10):		
Photography, Dept. of, plans	60	
Superintendent's Dept., labour, $169.26; material, $166.24	335 50	

84. *Forestry Building and Department.*—Continued.

Caretaker, Geo. Ward, 2 months at $650.00; 10 months at $700.00	691 66	
		$2,325 44
(*b*) Maintenance of Department:		
Laboratory supplies and apparatus ($29.99):		
Geo. M. Hendry Co., blackboard	$1 82	
Keuffel & Esser Co., level	22 27	
Photography, Dept. of, slides	2 90	
University Press, drawing books	3 00	
Office expenses, printing and postage ($111.12):		
The Bursar, postage supplied	40 00	
Prof. B. E. Fernow, petty disbursements	89	
United Typewriter Co., inspection	6 75	
University Press, Calendar and stationery	63 48	
Fittings and Contingencies ($12.79):		
Petty items (3)	2 78	
Superintendent's Dept., labour, $7.57; material, $2.44	10 01	
		$153 90
		$10,371 00

VIII. University Extension and Social Service.

85. *University Extension.*

(*a*) Summer Session, 1917 ($1,000.00):	
Remuneration to Instructors:	
Arts:	
W. A. Clemens	$250 00
N. C. Hart	250 00
W. A. Kirkwood	250 00
W. P. M. Kennedy	250 00
(*b*) Correspondence Courses between Summer Sessions ($901.00):	
Remuneration to Instructors:	
Faculty Entrance, Normal Entrance and Commerce ($516.00):	
J. O. Carlisle	114 50
G. A. Cornish	98 50
J. T. Crawford	20 00
W. C. Ferguson	52 00
W. H. Fletcher	8 00
H. A. Grainger	125 00
D. E. Hamilton	39 00
G. M. Jones	25 00
Wm. Ward	4 00
J. G. Workman	30 00
Arts Course ($385.00):	
C. E. Auger	24 00
W. H. Clawson	104 00
W. A. Clemens	50 00
S. A. Cudmore	24 00
F. C. A. Jeanneret	50 00
D. A. Keys	50 00
W. A. Kirkwood	24 00
J. S. Will	50 00
G. M. Wrong	9 00
(*c*) Teachers' Courses ($300.00):	
Remuneration to Instructors:	
W. S. Funnell	200 00
G. M. Jones	100 00

85. *University Extension.*—Continued.

(*d*) Local Lectures ($210.00):

	Total Payment.	Paid by Fees.	Local Centres. Expenses.
W. J. Alexander	$13 00	$5 00	$3 00
W. E. Blatz	13 00	5 00	3 00
G. S. Brett	13 00	5 00	3 00
Miss L. W. Brooking	13 00	5 00	3 00
E. F. Burton	13 00	5 00	3 00
Miss S. L. Carson..	13 00	5 00	3 00
St. E. de Champ ..	52 05	15 00	17 05
C. A. Chant	13 00	5 00	3 00
C. K. Clarke	13 00	5 00	3 00
A. P. Coleman	12 00	5 00	2 00
J. A. Craig	15 45	5 00	5 45
S. A. Cudmore	13 00	5 00	3 00
N. W. DeWitt	5 00		
Sir Robert Falconer	8 00	5 00	3 00
Miss J. Grant	13 00	5 00	3 00
C. M. Hincks	13 00	5 00	3 00
L. E. Horning	57 75	20 00	17 75
M. Hutton	23 60	5 00	8 60
Franklin Johnson, Jr.	60 25	20 00	15 25
G. M. Jones	17 00	5 00	2 00
D. R. Keys	13 00	5 00	3 00
R. M. MacIver	25 00	10 00	5 00
J. F. McLaughlin ...	12 00	5 00	2 00
W. A. Parks	13 00	5 00	3 00
W. A. Riddell	13 00	5 00	3 00
P. Sandiford	43 70	15 00	13 70
C. B. Sissons	12 00	5 00	2 00
M. W. Wallace	13 00	5 00	3 00
	$538 80	$190 00	$138 80
Paid by Local Centres	328 80		

Paid by University $210 00

(*e*) Office expenses ($2,701.96):

A. H. Abbott, allowance as Secretary, 12 mos. to 30 June (war service, half pay)	250 00	
Miss H. M. Latter, assistant secretary, 12 mos. to 30 June	900 00	
Clerical assistance ($641.67):		
Miss R. M. Grier, 10 mos. at $650.00 per annum.....	541 67	
Miss C. McCallum, 2 mos. at 50.00 per month	100 00	
Stationery, printing, office supplies and incidentals ($810.29):		
The Bursar, postage supplied	271 68	
H. Edwards & Son, copies	2 25	
Field, Love & House, repairs	2 25	
J. J. Gibbons, printing	126 00	
Office Specialty Mfg. Co., fyling cabinet, etc.	62 90	
Toronto Weekly Railway & Steamboat Guide, subscription to "Guide"	3 00	
United Typewriter Co., inspection and supplies	14 70	
G. A. Walton, addressing envelopes	15 00	
University Press, stationery, printing and supplies ..	304 85	
Petty items (2)	3 25	
Superintendent's Dept., labour, 50c.; material, $3.91..	4 41	
Advertising Correspondence Work and Summer Session, 1918 ($100.00):		
"The School"	100 00	
		$5,112 96

86. *Social Service Courses.*

(*a*) Maintenance of Building:		
Fuel ($324.49):		
Connell Anthracite Mining Co.	$324 49	
Light ($16.45):		
Consumers' Gas Co.	16 45	
Water ($15.36):		
City Treasurer	15 36	
Caretaker's supplies ($21.44):		
Superintendent's Dept., labour, $1.28; material, $20.16	21 44	
Cleaning ($527.70):		
Canadian Cleaning Co., cleaning windows	2 70	
Superintendent's Dept., labour	525 00	
Repairs and renewals ($309.91):		
Superintendent's Dept., labour, $183.98; material, $125.93	309 91	
		$1,215 35
(*b*) Maintenance of Department:		
Franklin Johnson, Jr., remuneration as Director, $3,000.00 (paid from special donation):		
Honoraria to lecturers ($925.00):		
Miss L. W. Brooking	$150 00	
A. H. Burnett	150 00	
Miss S. L. Carson	200 00	
Miss J. Grant	150 00	
C. M. Hincks	125 00	
W. A. Riddell	150 00	
Secretariat ($750.00):		
Miss A. C. McGregor, 12 mos. to 30 June	750 00	
Office supplies and general expenses ($214.70):		
A. J. Burge, operating lantern	6 00	
The Bursar, postage supplied	66 00	
Dr. Franklin Johnson, Jr., disbursements:		
Stationery and sundries, $4.99; subscription to pamphlets, etc., $3.91; postage and carfare, $3.41; express, $1.60	13 91	
Macey Office Equipment Co., sections and cards	46 09	
Northern Taxicab & Automobile Livery, taxi hire	2 00	
Miss I. Padbury, clerical assistance, 4½ days	9 00	
Remington Typewriter Co., inspection	6 00	
University Press, printing, stationery and supplies	65 70	
Books ($150.50):		
Students' Book Dept.	150 50	
		$2,040 20
		$8,368 51

IX. Residences and Dining Hall.

87. *Men's Residences.*

Heat and light (supplied from Central Power Plant):		
Gas, city current and occasional fuel ($70.27):		
Connell Anthracite Mining Co.	$70 27	
Water ($444.93):		
City Treasurer	444 93	
Caretaker's supplies ($7.18):		
Superintendent's Dept., material	7 18	
Cleaning ($80.40):		
Allen Mfg. Co., laundry	2 40	
Superintendent's Dept., labour	78 00	
Repairs and renewals ($1,151.11):		
Card & McConnell, exterminating rats	10 00	
A. Matthews, repairs to roof	16 13	
Petty items (2)	1 85	
Superintendent's Dept., labour, $450.74; material, $672.39	1,123 13	
	$1,753 89	
Less sundry credits: repairs	1 65	
		$1,752 24

88. *Women's Residences.*

(*a*) Maintenance of Building:	
Fuel ($3,051.97):	
Connell Anthracite Mining Co.	$2,926 27
Elias Rogers Co.	30 00
Britnell & Co., teaming	95 70
Light ($464.77):	
Consumers' Gas Co.	285 93
Toronto Electric Light Co.	178 84
Water ($231.08):	
City Treasurer	231 08
Repairs and renewals ($1,728.49):	
City Storage Co., cartage	9 25
A. Matthews, repairs to roof	27 93
Photography, Dept. of, plans	2 60
Routery Bros., plastering	53 65
J. M. Wighton, masonry	61 55
Superintendent's Dept., labour, $1,143.58; material, $429.93	1,573 51
	$5,476 31
Less sundry credits: repairs	20 73
	$5,455 58
Housekeeping Account:	
Provisions and housekeeping expenses (9,022.30):	
Antitoxin Laboratory, vegetables	$42 31
Armstrong & Paffard, groceries	1,194 16
Canada Bread Co., bread	766 34
Christie, Brown & Co., biscuits	6 54
City Dairy Co., ice cream	36 15
Geo. Coles, cake and pastry	157 80
Consumers' Gas Co., repairs	3 00
Wm. Dawson & Sons, subscriptions	7 67
W. S. Dunn & Co., apples	5 00
T. Eaton Co., supplies	127 69
Farmers' Dairy Co., milk	800 58
Globe Printing Co., subscriptions	8 00
Gourlay, Winter & Leeming, piano hire	126 25
E. Grainger & Co., flowers	2 00
Gurney Foundry Co., repairs	18 48
Gutta Percha & Rubber, Ltd., hose	6 15
Harris Abattoir Co., meat and provisions	3,000 81
H. J. Heinz Co., pickles	29 00
A. D. Heward, berries	16 20
J. J. Higgins, ferns	10 50
Lake Simcoe Ice Supply Co., ice	110 90
Geo. Lister & Son, fruit and vegetables	825 51
Miss L. Livingstone, disbursements: Postage and carfares, $33.25; utensils, house furnishings, stationery, etc., $17.36; food supplies, $13.90; sharpening knives, $3.55; telegrams and telephone calls, $2.44; garden supplies and sundries, $8.14	78 64
Manser-Webb Co., fruit and vegetables	122 45
Maple Leaf Milling Co., flour	77 23
Dr. F. McPhedran, medical services for injured servant	8 00
Medland Bros., groceries	313 94
A. A. Moses, repairs	3 05
Murphy, Bradley Mfg. Co., jam	5 80
Murray-Kay, aprons	26 40
Wm. Panton, fruit	9 20
Geo. Ratcliffe, fruit	4 00
Miss E. Robinson, meals supplied to maids during Summer Session	153 31
E. J. Ryan, vegetables	3 80
A. A. Sibbick, vegetables	6 80

88. *Women's Residences.*—Continued.

J. A. Simmers, bulbs and seeds	8 65	
F. Simpson & Sons, fish and fruit	414 40	
Robt. Simpson Co., aprons and uniforms	100 20	
Geo. Sparrow & Co., utensils and repairs	23 00	
Todhunter, Mitchell & Co., coffee	82 50	
A. Whale, repairs	4 50	
Whyte Packing Co., provisions	230 29	
W. J. Wilson, repairs	12 50	
F. J. Wood, subscription	3 00	
University Press, printing and stationery	29 60	
Cleaning and House Service ($4,969.13):		
Allen Mfg. Co., laundry	541 01	
Baillie's Laundry, laundry	135 52	
Baker Carpet Cleaning Co., cleaning rugs	3 60	
Canadian Cleaning Co., cleaning windows	72 00	
A. James, cleaning upholstering	12 45	
Miss L. Livingstone, disbursements: Laundry, $7.40; agency fees, $6.00; advertising, 72c.	14 12	
Superintendent's Dept., labour, $1.50; material, $119.86	121 36	
Pay lists, wages of servants, maids, etc.	4,063 22	
Evening Telegram, advertising for maids	5 85	
Furnishings, dishes, cutlery, etc. ($522.71):		
T. Eaton Co., linoleum, linen, etc., dishes and glassware	493 59	
A. H. Harraden, repairs to carpets	11 78	
Robert Simpson Co., cushion covers	6 34	
Albert Whale, upholstering	2 25	
W. Younger, upholstering	8 75	
	$14,514 14	
Less sundry credits: laundry and occasional meals, etc.	243 67	
	$14,270 47	
Superintendent, Miss L. I. Livingstone, 12 mos. to 30 June	1,100 00	
Housekeeper, Miss L. Panton, 12 mos. to 30 June	800 00	
		$21,626 05

89. *Dining Hall.*

Fuel ($371.90):		
Elias Rogers Co.	$371 90	
Light ($456.91):		
Consumers' Gas Co.	456 91	
Cleaning and House Service ($8,742.79):		
Allen Mfg. Co., laundry	289 14	
Pay lists, wages of waiters and other servants	8,453 65	
Food supplies ($44,266.13):		
Antitoxin Laboratory, vegetables	416 90	
Armstrong & Paffard, groceries	4,710 70	
Belle Ewart Ice Co., ice	257 25	
Canada Bread Co., bread	3,241 72	
Canada Flour Mills, flour	288 05	
Geo. Coles, ice cream and cake	28 90	
James Dempster, bread	6 40	
Eby, Blain Ltd., groceries	220 91	
H. P. Eckardt & Co., groceries	1,522 38	
Farmers' Dairy Co., milk	5,227 91	
W. M. Gemmell, fruit	10 80	
Gunns, Ltd., meat	4 67	
Harris Abattoir Co., meat and provisions	12,085 80	
Hart & Ellis, honey	23 10	
R. B. Hayhoe & Co., groceries	17 55	
H. J. Heinz Co., pickles	283 67	
Higgins & Burke, canned goods	55 00	

89. *Dining Hall.*—Continued.

Geo. Lister, fruit and vegetables	1,522 40	
Marshalls Co., honey	92 40	
Mediterranean Products Co., macaroni	15 00	
Medland Bros., groceries	3,084 11	
T. J. Medland, potatoes	91 75	
Murphy-Bradley Mfg. Co., jam	470 65	
Wm. Neilson, ice cream	279 70	
Wm. Patterson & Sons, vegetables	641 00	
E. J. Ryan, fruit and vegetables	1,041 45	
Ryley & Sons, eggs	1,608 90	
Miss V. M. Ryley, petty disbursements	4 72	
F. Simpson & Sons, fish and fruit	1,964 82	
Skeans, Duff Co., coffee	466 27	
Stronach & Sons, fruit and vegetables	308 24	
Todhunter, Mitchell & Co., coffee	389 75	
C. Topping, vegetables	3 00	
Vanluven Bros., syrup	10 00	
Warren Bros. & Co., groceries	81 45	
White & Co., fish and fruit	876 34	
Whyte Packing Co., provisions	3,023 97	
	$44,377 63	
Less received from sale of garbage, etc.	111 50	
	$44,266 13	
Dishes, utensils and sundry expenses ($4,098.33):		
Advance Oil & Supply Co., cleaning material	96 16	
Canadian Wm. A. Rogers Ltd., cutlery	627 01	
John Catto & Son, cloth	11 25	
T. Eaton Co., linen, towelling, curtains, etc.	631 32	
Evening Telegram, advertising *re* attendants	32 22	
Gas Control Co., rent of governor	6 75	
Gowans, Kent & Co., dishes	1,459 98	
Gurney Foundry Co., utensils and repairs	165 09	
Macey Office Equipment Co., chairs	14 85	
Dr. Margaret McAlpine, medical services for injured attendant	6 00	
Miller Mfg. Co., uniforms	62 00	
Miller & Sons, fern pans and flowers	21 30	
J. A. Morgan, napkins	82 96	
Northern Aluminum Co., trays	23 58	
Routery Bros., plastering	6 70	
Miss V. M. Ryley, disbursements: Express, $41.04; office supplies and sundries, $18.96; utensils, etc., $18.78; postage, $1.50	80 28	
Geo. Sparrow & Co., utensils and repairs	123 46	
University Press, pads	1 00	
Superintendent's Dept., labour, $445.07; material, $201.35	646 42	
Hobart Machine ($736.75):		
Hobart Mfg. Co.	736 75	
	$58,672 81	
Superintendent, Miss V. M. Ryley, 12 mos. to 30 June	1,250 00	
		$59,922 81

90. *University College Women's Union.*

(*a*) Maintenance of Building:		
Fuel ($402.84):		
Connell Anthracite Mining Co.	$371 19	
Britnell & Co., teaming	31 65	
Gas and city current ($316.17):		
Consumers' Gas Co.	316 17	
Water ($17.20):		
City Treasurer	17 20	
Repairs and renewals ($450.33):		
Elliott & Brown, excavating and masonry	115 00	

90. *University College Women's Union.*—Continued.

A. Matthews, repairs to chimneys	11 33
Superintendent's Dept., labour, $199.74; material, $124.26	324 00
	$1,186 54
Less sundry credits: repairs	6 30
	$1,180 24
New kitchen and additions to heating system ($2,100.96):	
City Treasurer, permit	2 00
Elliott & Brown, masonry, plastering and concrete flooring	563 25
A. Matthews, roofing	14 37
F. E. Watson, plans	7 50
J. M. Wighton, concrete steps	15 60
Superintendent's Dept., labour, $653.19; material, $845.05	1,498 24
	$3,281 20
(*b*) Housekeeping Account:	
Provisions and housekeeping expenses ($4,682.13):	
P. Andrews, pastry	$64 66
Antitoxin Laboratory, vegetables	105 25
Belle Ewart Ice Co., ice	18 00
C. L. Black, peaches	32 50
Canada Bread Co., bread	215 32
Canada Flour Mills Co., flour	50 51
Christie, Brown & Co., biscuits	40 80
Club Coffee Co., coffee	74 10
T. Eaton Co., supplies	71 06
E. B. Eddy Co., napkins	16 00
Farmers' Dairy Co., milk	505 15
Glassco Ltd., jam	65 86
Gordon, Mackay & Co., towelling	17 52
Grand & Toy, stationery	6 00
G. E. Grove, locks	6 65
Gurney Foundry Co., utensils and repairs	54 93
Harris Abattoir Co., meat and provisions	1,201 02
H. J. Heinz Co., pickles	3 50
W. S. Johnston & Co., printing meal tickets	7 50
Wm. Junor, dishes and glassware	49 50
Geo. Lister, fruit and vegetables	524 18
G. H. Robinson, covers	22 00
F. Simpson & Sons, fish and fruit	242 21
Robert Simpson Co., aprons	7 50
South Hall, Victoria College, sealers	15 00
Warren Bros. & Co., groceries	854 34
Harry Webb Co., bread	151 80
Wm. Weir, eggs	63 00
White & Co., fish	9 15
Miss M. C. Wrong, disbursements: Food supplies, $83.70; utensils and house furnishings, etc., $48.80; towels and table napkins, $32.76; stationery and sundries, $17.76; sharpening knives, $5.00; express, etc., $2.40	190 42
J. M. Wighton, sand	5 00
University Press, printing and stationery	8 75
	$4,699 18
Less received from sale of peaches	17 05
	$4,682 13
Cleaning and House Service ($1,703.15):	
Canadian Cleaning Co., cleaning windows and waxing floors	21 76
Industrial Refuge, laundry	213 81
Royal Laundry, laundry	2 85

90. *University College Women's Union.*—Continued.

Superintendent's Dept., material	29 17	
Pay lists, wages of servants, maids, etc., including allowance for laundry	1,426 38	
Evening Telegram, advertising for maids	8 18	
Misses Buckingham and Boyle, agency fee	1 00	
Magazines and piano hire ($84.33):		
Heintzman & Co., piano hire	37 00	
Albert Britnell, books	17 20	
Sundry subscriptions:		
Globe Printing Co.	1 35	
Mail and Empire	2 60	
Macdonald's Subscription Agency	17 00	
W. H. Smith & Son	9 18	
	$6,469 61	
Lady Resident, Miss M. C. Wrong, 12 mos. to 30 June	1,000 00	
Housekeeper, Miss E. Middleton, 12 mos. to 30 June	650 00	
		$11,400 81
		$94,701 91

X. (91) Royal Ontario Museum.

University's share of maintenance advanced to the Trustees of the Royal Ontario Museum, under 2 Geo. V., Cap. 80	$17,831 37

XI. (92) Central Power Plant.

Fuel ($77,476.81):			
W. H. Cox Coal Co.	$42,555 29		
W. H. Cox Coal Co., towards loss sustained under 1916-17 contract	1,000 00		
		$43,555 29	
Doan & Charles		7,602 76	
Weaver Coal Co., Inc.		16,782 94	
W. G. Adams Coal Co., teaming		49 50	
Britnell & Co., unloading, $1,095.62; teaming, $5,139.69; storage, $1,904.81; moving pile, $465.60; ventilators, etc., $37.70		8,643 42	
Canadian Pacific Railway Co., demurrage on cars		378 00	
Franceschini & Co., teaming		13 50	
R. Robertson & Son, retaining wall		117 53	
W. H. Thomson, moving, $27.00; teaming, $3.00		30 00	
Superintendent's Dept., labour, $167.92; material, $135.95		303 87	
City electric current ($1,719.82):			
Toronto Electric Light Co.		1,719 82	
Water ($193.35):			
City Treasurer		193 35	
Repairs and renewals, engineers' supplies and miscellaneous items ($4,312.08):			
Britnell & Co., cartage of brick		12 00	
Canadian Cleaning Co., cleaning windows		6 00	
Canadian H. W. Johns-Manville Co., pipe covering		334 34	
Card & McConnell, exterminating rats		10 00	
R. Robertson & Sons, repairs to boilers, etc.		613 21	
John Rydall, repairs		10 75	
The Superintendent, petty disbursements		3 62	
Superintendent's Dept., labour, $1,142.36; material, $2,155.41		3,297 77	
Sundry advertisements *re* fuel tenders, etc.:			
Evening Telegram		9 06	
Globe Printing Co.		1 40	
Mail and Empire		3 50	
News Publishing Co.		3 50	
Toronto Daily Star		4 83	
Toronto World		2 10	

92. *Central Power Plant.*—Continued.

Engineers, firemen and helpers ($8,795.50):			
Chief Engineer, Chas. Moseley, Sr., 12 mos. to 30 June....		2,000 00	
Assistant engineers at $80.00 per month:			
C. S. Moseley, 12 mos. to 30 June, $960.00; overtime, 8 hours, $2.66; bonus, 7 months at $5.00, $35.00..		997 66	
W. Smith, 12 mos. to 30 June, $960.00; bonus, 7 months at $5.00, $35.00		995 00	
L. McMaster, 11 mos., 20 days to 30 June, $933.33; overtime, 4 hours, $1.33; bonus, 7 mos. at $5.00, $35.00		969 66	
Firemen and helpers:			
At $70.00 per month		2,500 30	
At $65.00 per month		1,011 88	
At $60.00 per month		221 00	
Bonuses at $5.00 per month		100 00	
			$92,497 56

XII. (93) Contingencies.

Expenses *re* opening of Connaught Laboratories ($524.04):			
Dr. Simon Flexner, travelling expenses		$30 00	
Provincial Motors Livery, hire of coaches		100 00	
W. E. Pike, rent of tents and canopies		117 50	
Geo. Coles, catering		70 00	
University Press, printing		49 90	
Wilder Cartage Co., cartage		30 00	
R. J. Campbell, show cards		12 45	
Attendants: B. Double, $5.00; R. Chapman, $3.00; F. Scruby, $3.00; R. Lines, $3.00; C. Smith, $3.00; F. Taylor, $1.00		18 00	
Dr. J. G. Fitzgerald, disbursements: Lantern operator, $10.00; gasoline, $2.10; twine, 75c.		12 85	
Superintendent's Dept., labour, $63.81; material, $19.53....		83 34	
Armorial Bearings, fees in connection with:			
Charles H. Athill, Richmond Herald		425 03	
Engrossing resolutions:			
Miss I. M. Sutherland, to Colonel A. E. Gooderham, *re* Connaught Laboratories		100 00	
Robert M. Williams, to families of late Professors, $14.00; to Prof. A. B. Macallum, $6.50		20 50	
Dunlop's, Toronto, flowers for funeral of late Prof. Fletcher..		16 00	
O'Keefe Co., spring water for board meetings (3 years) ...		23 18	
Sir Edmund Walker, Chairman's disbursements for postage..		3 04	
Connell Anthracite Mining Co., fuel supplied to University Y. M. C. A.		216 65	
Medals ($16.79):			
P. W. Ellis & Co.	$106 79		
Less received from donors	90 00		
Amount spent on cost and engraving of medals over and above receipts		16 79	
Association of Urban Universities, annual dues		10 00	
Society for the Promotion of Engineering Education, dues ...		10 00	
Shipping instruments loaned to United States Shipping Board ($7.98):			
Superintendent's Dept., labour, $3.88; material, $4.10		7 98	
Sundry small disbursements		7 60	
			$1,380 81

XIII. (94) Capital Account Charges.

Accountant, Supreme Court of Ontario, ninth annual payment on debenture issue of 1909	$25,260 00	
Accountant, Supreme Court of Ontario, third annual payment on debenture issue of 1915 *re* Hart House	5,975 00	
Toronto General Hospital, seventh annual payment on debenture issue of 1911 *re* Pathological Building	6,568 00	

94. *Capital Account Charges.*—Continued.

Toronto General Hospital, seventh annual payment on debenture issue of 1911 *re* grant to Toronto General Hospital ..	15,157 00	
Wardrop Estate, third instalment on purchase of house, No. 8 Queen's Park	750 00	
Shoenberger Estate, second instalment on purchase of house, No. 184 College Street	500 00	
Purchase of Beatty Leasehold:		
E. M. Chadwick & C. W. Beatty, trustees, consideration for surrender of Beatty leasehold	1,066 93	
City Treasurer, taxes 1918	509 88	
Repayment to Endowment on account of advance for construction of Central Power House, tunnels and equipment ...	20,208 00	
		$75,994 81

XIV. (95) Special Research.

Medicine.

Pathology, Chemistry, Medicine and Surgery ($2,499.42):		
Laboratory Assistant, F. Thibault, 5 days at $2.00	$10 00	
Animal attendant, J. O'Donell, 3 months at $5.00	15 00	
Cages and food for animals ($399.15):		
F. F. Bowell, trays	92 25	
T. G. Rice Wire Mfg. Co., cages	306 90	
General Equipment ($2,075.27):		
Carnegie Nutrition Laboratory, apparatus	1,025 02	
Ingram & Bell, equipment	748 25	
Dr. F. W. Rolph, travelling expenses	302 00	
Psychiatry ($480.00):		
Keeping records of experimental work:		
Miss D. M. Secord, 8 mos. to 30 June at $60.00 per mo.	480 00	
		$2,979 42

Applied Science.

High tension transmission lines ($1,127.30):		
Laboratory assistant, W. B. Buchanan, 8 mos. to 30 June, at $125.00 per month	$1,000 00	
Expenses ($127.30):		
Driver-Harris Co., wire	118 60	
Miss F. McMechan, typing	8 70	
Heat insulation ($489.71):		
Bristol Co., thermometer	24 50	
R. Fullerton, fan	7 00	
Galloway, Taylor & Co., castings	82 11	
H. J. Green, thermometers	37 52	
J. M. Wighton, masonry	5 00	
Freight charges	2 10	
Superintendent's Dept., labour, $140.81; material, $190.67	331 48	
Reinforced concrete ($96.18):		
Drafting:		
H. A. J. Aldington	3 50	
T. Leach	55 05	
O. Margison	9 00	
G. L. Wallace	5 63	
F. E. Watson	4 00	
W. S. Wickens	19 00	
Milling of Ontario graphite ore ($136.67):		
Bausch & Lomb Optical Co., lens	23 46	
Canadian Laboratories, apparatus	54 60	
L'Air Liquide Society, valve	3 00	
Lever Bros., gas	4 50	
R. J. McCullagh, specimens	4 40	
Metallurgical Engineering, Dept. of, tube	4 50	
Norton Co., supplies	10 70	
Photography, Dept. of, prints	12 35	
Ward, Leonard Electric Co., rheostat	6 33	

95. *Special Research.*—Continued.

A. H. Winter-Joyner, ammeter	9 48	
Petty items (2)	3 35	
Catalysis ($1,230.00):		
Laboratory assistant, J. V. Dickson, 8 Nov. to 30 June, at $125.00 per month	1,220 00	
Expenses ($10.00):		
Prof. M. C. Boswell, files purchased	2 00	
Miss F. McMechan, typing	8 00	
Price-Stewart Research ($29.68):		
Brown & Sharpe Mfg. Co., blades	4 83	
Driver-Harris Co., steel	4 12	
Students' Book Dept., book	1 60	
Trumbull Electric Mfg. Co., panel	16 35	
Freight charges	2 78	
Arkley Research ($276.35):		
Williamson Heater Co., boiler	276 35	
Expenses, contingencies, etc. ($215.00):		
University Press, printing bulletin	215 00	
		$3,600 89

Aerodynamics.

Expenses ($3,272.13):		
Aikenhead Hardware, bolts	$11 50	
Cambridge Scientific Instrument Co., aerodynamic balance	1,563 69	
Canadian S.K.F. Co., blocks	24 60	
Dominion Bridge Co., steel	363 00	
Hamilton Gear & Machine Co., shafting	47 05	
Jones & Glassco Co., sprocket, etc.	142 06	
Long Propeller Co. of America, propeller	130 41	
Metallic Roofing Co., iron work	235 00	
J. H. Parkin, cablegram	5 01	
J. F. Raw, blue prints	3 72	
Students' Book Dept., books	51 95	
Freight charges, etc., $8.04; marine insurance, $50.33	58 37	
Superintendent's Dept., labour, $403.53; material, $232.24	635 77	
		$3,272 13

Physiotherapy.

Expenses ($999.36):		
Hart House Research Committee, expenditures by committee of Physiotherapy Research: Instruments, books, etc., $458.81; wages, $220.71; outfitting, $130.14; food for animals, $128.46; animals, $20.75; gas, $5.61; sundries, $34.88	$999 36	
		$999 36

Physiology.

Laboratory assistant, L. G. Kilborn, 2 mos. at $80.00 per mo.	$160 00	
Equipment ($983.17):		
Canadian General Electric Co., motor, etc.	59 31	
Geo. M. Hendry Co., oven and pump	89 92	
Ingram & Bell, centrifuge, syringes, etc.	79 65	
International Equipment Co., centrifuge and tubes	145 80	
E. Leitz, incubator	39 47	
Lyman Bros. & Co., chemicals	102 71	
Arthur H. Thomas Co., chemicals and glassware	437 05	
Freight charges	4 26	
Superintendent's Dept., labour	25 00	
		$1,143 17
		$11,994 97

Medical Research (Original Account: McPhedran Subscriptions).

Salaries ($900.00):		
Dr. H. K. Detweiler, Research Fellow, 12 mos. to 30 June (paid also in Pathology)	$900 00	

95. *Special Research.*—Continued.

Publication of Report ($61.77):		
Reprints:		
Canadian Medical Association	11 70	
Commercial Press	7 79	
C. V. Mosby Co.	24 10	
Rockefeller Institute for Medical Research	18 18	
Purchase of animals, etc. ($45.73):		
Christie, Brown & Co., dog biscuits	8 88	
Ingram & Bell, supplies	12 60	
Prof. J. J. Mackenzie, disbursements:		
Rabbits, $16.50; ether and brushes, $1.90; food for animals, $1.00	19 40	
Freight charges	4 85	
Care of animals ($60.00):		
J. O'Donnell, 12 mos. to 30 June	60 00	
		$1,067 50

Pathology: Special Investigation Subscription.

Laboratory assistant, Miss M. Wessels, 2 mos. at $70.00 per mo., $140.00; 7 mos. 8 days at $75.00 per mo., $542.50..	$682 50	
		$682 50
		$13,744 97
Less charged to Special Funds (Schedule 4*a*)		1,750 00
		$11,994 97

XV. (96) Toronto General Hospital, Special Grant.

Trustees, Toronto General Hospital, grant voted by Board	$25,000 00	
		$25,000 00
		$1,076,224 95

APPENDIX IV.

University Press.

Transactions for year ending 30th June, 1918.

Receipts, 1917-18		$42,453 36	
Accounts receivable on 30th June, 1918		4,718 59	
			$47,171 95
Expenditures, 1917-18 (detailed below)		$43,519 97	
Accounts written off as uncollectable		4 65	
		$43,524 62	
Value of supplies bought in advance and on hand 30th June, 1918	$2,811 33		
And work in progress	309 95		
	$3,121 28		
Less liabilities	817 00		
		2,304 28	
			41,220 34
			$5,951 61
Deduct:			
Expenditures on additions to type and equipment, charged to year's receipts (detailed below)		$330 43	
Purchases in advance (net) as above		2,304 28	
			2,634 71
			$3,316 90
Balance of 30th June, 1917			5,388 73
At credit of account 30th June, 1918 (Schedule 4*b*)			$8,705 63

Details of Expenditure, Operating Account.

R. J. Hamilton, Manager, 12 months to 30th June, $1,800.00; allowance for clerical assistance, $200.00	$2,000 00	
Pay lists, wages of employees	21,289 64	
		$23,289 64
Supplies and General Maintenance ($20,230.33):		
Alexander & Cable, lithographing	$25 00	
Anstey & Bromley, binding and ruling	620 96	
Art Metropole, supplies	22 15	
D. A. Balfour Co., carbon paper	69 95	
Barber-Ellis, paper	1,167 28	
Beardmore Belting Co., belting	5 70	
R. C. Bourne, leather	135 00	
Wm. Briggs, printing and electrotypes	57 00	
Brigdens, half-tones	190 98	
Brown Bros., paper and supplies	2,384 21	
Buntin-Reid Co., paper	1,025 30	
The Bursar, postage supplied	203 00	
Chas. Bush, ink	326 30	
B. Cairns, rubber stamps	5 25	
Canada Metal Co., metal	180 75	
Canada Printing Ink Co., ink	153 86	
Canada Paper Co., paper	346 97	
Cannon Canadian Co., paste	6 90	
E. Carroll, grinding knives	8 80	
Copeland-Chatterson Co., paper	8 42	
Copp, Clark Co., examination books, etc.	75 62	
Dennison Mfg. Co., labels	20 34	
John Dickinson Co., paper	445 73	
Dominion Paper Box Co., cases	47 23	
W. J. Gage & Co., envelopes and supplies	166 47	

Details of Expenditure, Operating Account.—Continued.

Gill Bros., ruling	130 50	
Grand & Toy, stationery and supplies	167 98	
R. J. Hamilton, disbursements:		
Cleaning and material, $93.38; postage and carfares, $16.96; special messenger service, $10.00; express and freight, $6.78; laundry, $3.68; stereotype supplies and sundries, $13.54	144 34	
Imperial Oil Co., oil	20 49	
Lanston Monotype Machine Co., repairs	446 52	
H. J. Logan, wire	19 05	
Lowe-Martin Co., cards	10 78	
Manton Bros., paper	13 50	
A. R. MacDougall & Co., pencils	32 91	
Menzies & Co., glucine	7 20	
Miller & Richard, repairs	12 00	
Milne-Bingham Printing Co., printing	903 40	
J. L. Morrison Co., repairs	6 35	
National Typewriter Co., carbon paper, stencil, etc.	295 18	
Paper Sales Co., paper	58 62	
Paste & Gum Co., paste	16 20	
Printers' Specialties, metal	27 79	
Provincial Paper Mills, paper	6,996 56	
Ratcliff Paper Co., paper	101 50	
R. Robertson & Sons, cutting doorway	56 59	
Routery Bros., plastering	10 00	
Standard Embossing Co., embossing	248 40	
Students' Book Dept., stationery and supplies	141 94	
Sun Insurance Office, insurance premium on paper stored	21 82	
Telfer Mfg. Co., boxes	75 75	
Toronto Delivery & Cartage Co., cartage	91 29	
Toronto Type Foundry, repairs	14 96	
United Paper Mills, paper	1,054 06	
Warwick Bros. & Rutter, paper	53 28	
Weatherhead Paper Co., paper	114 96	
Whaley, Royce & Co., engraving	15 00	
Wickett & Smith Co., gold leaf	37 75	
Wilson, Munroe & Co., paper	308 13	
Items under $5.00 (8)	22 26	
Superintendent's Dept., labour, $102.42; material, $100.24	202 66	
Heat, light and power charges under report adopted by Board:		
Heat, $92.50; electric current, $300.00; gas, $116.44	508 94	
Advertising:		
The School	60 00	
Torontonensis, 1918	12 50	
Trinity University Review	10 00	
University Y.M.C.A.	15 00	
The Varsity	40 00	
Wycliffe College Magazine	5 00	
		$20,230 33
		$43,519 97

Details of Expenditure, Plant Account.

Miller & Richard, gas attachment	$88 54	
O. K. Furniture Co., desk	27 50	
Stephenson, Blake & Co., type	11 20	
Toronto Type Foundry Co., type and equipment	58 19	
Superintendent's Dept., motor	145 00	
		$330 43

APPENDIX V.

Antitoxin Laboratory.

Transactions for year ending 30th June, 1918.

Receipts during 1917-18	$80,951 77	
Accounts receivable on 30th June, 1918	10,327 44	
		$91,279 21
Expenditures during 1917-18 (detailed below)	$63,377 94	
Sundry refunds during year	143 10	
Accounts written off as uncollectable	21 11	
		63,542 15
		$27,737 06

Amount of Surplus Account 30 June, 1917	$21,639 62	
Expenditure therefrom prior to creation of Research Fund	300 00	
	$21,339 62	
Interest allowed	457 21	
Balance from operating account, 30 June, 1918, as above	27,737 06	
	$49,533 89	
Less Connaught Laboratories Research Fund, opened as separate account	25,000 00	
At credit of Surplus Account, 30 June, 1918, Schedule 4*b*		$24,533 89

Details of Expenditure, Operating Account.

Salaries, wages and occasional assistance ($18,671.03):	
Dr. J. G. Fitzgerald, Director, 12 mos. to 30 June (paid also in Hygiene)	$3,150 00
Dr. R. D. Defries, Assistant Director, 12 mos. to 30 June (paid also in Hygiene)	1,800 00
Dr. T. J. Melanson, Farm Superintendent and Veterinarian, 27 April to 30 June, at $125.00 per month	270 83
Dr. H. C. Cruikshanks, Bacteriologist, 28 May to 30 June, at $100 per month	110 00
Office and Laboratory Staff ($8,783.24):	
Miss L. Hanna, 12 mos. to 30 June	900 00
C. Greenwood, 8 mos. to 30 April	840 00
Wm. Knowles, 12 mos. to 30 June	750 00
F. Scuby, 12 mos. to 30 June, $700.00; overtime, $5.50	705 50
Miss H. Finegan, 12 mos. to 30 June, $650.00; overtime, $3.00	653 00
Miss E. Mitchell, 7 mos. at $50.00; 5 mos. at $55.00; to 30 June, $625.00; overtime, $1.50	626 50
J. Sherman, 12 mos. to 30 June, $600.00; overtime, $3.20	603 20
Miss H. Lamont, 10 mos. to 30 April, $600.00; overtime, $1.50	601 50
James Smith, 12 mos. to 30 June, $420.00; overtime, $3.00	423 00
Mrs. Gratton, 12 mos. to 30 June, $360.00; overtime, $1.00	361 00
Miss M. Slute, 7 mos. at $27.50; 5 mos. at $30.00; to 30 June, $342.50; overtime, $14.56	357 06
Miss E. Slute, 7 mos. at $27.50; 5 mos. at $30.00; to 30 June, $342.50; overtime, $13.81	356 31
R. Chapman, 17 days at $1.50; 24 Sept. to 30 June, at $35.00 per month, $348.66; overtime, $7.20	355 86
D. Wilson, 4 Sept. to 30 June, at $25.00 per month, $246.66; overtime, $8.75	255 41
Miss G. Mivell, 14 Nov. to 30 June, at $25.00 per month, $187.50; overtime, $12.18	199 68

Details of Expenditure, Operating Account.—Continued.

Miss L. Love, 4 Feb., to 30 June, at $40.00 per month	197 50	
Miss M. McCausland, 19 Dec. to 30 June, at $25.00 per month, 161.25; overtime, $15.13	176 38	
Miss E. Reid, 19 Dec. to 30 June at $25.00 per month, 161.25; overtime, $9.78	171 03	
Miss E. Noble, 1 Feb. to 30 June at $25.00 per month, $125.00; overtime, $14.77	139 77	
Miss A. Tushingham, 20 Feb. to 30 June at $25.00 per month, $108.04; overtime, $2.50	110 54	
Farm and Stable Staff ($3,177.86):		
B. Double, 12 mos. to 30 June, $700.00; overtime, $2.40	702 40	
C. Smith, 12 mos. to 30 June, $600.00; overtime, $4.60	604 60	
F. Taylor, 9 mos. to 31 March, $405.00; overtime, $1.80	406 80	
R. Sim, 5 mos. to 30 Nov.	375 00	
S. Little, 12 mos. to 30 June, $360.00; overtime, $3.20	363 20	
W. Fenton, 12 mos. to 30 June (part time)	300 00	
K. Little, 12 mos. to 30 June, $240.00; overtime, $3.20	243 20	
N. Fenton, 13 Aug. to 15 June at $20.00 per month	182 66	
Casual assistance ($1,379.10):		
Sundry assistants employed for limited periods, and emergency work	1,379 10	
		$18,671 03
Laboratory supplies and general maintenance ($44,073.38):		
Aikenhead Architectural Metal Works, stable fittings	$15 50	
Aikenhead Hardware, vacuum cleaner, fire extinguisher and hardware	109 63	
Allcock, Laight & Westwood Co., needles	45 50	
Thomas Alpine, hay, $100.00; sprayer, $50.00	150 00	
Atlas Stationery Corporation, filter paper	357 56	
F. S. Banks & Co., syringes, etc.	6,899 20	
Dr. E. J. Banzhaf, vaccine	2,668 32	
E. Barker, horse	50 00	
H. Barnard, team of horses for farm work, $475.00; horses, 5 at $55.00; 5 at $50.00; 2 at $45.00	1,090 00	
Bell Telephone Co., telephone service, 7 March to 30 June	9 55	
Bogert & Hopper, boxes	178 16	
F. H. Bonner, oats	450 00	
C. A. Bradshaw, shanty	45 00	
T. Brown, horse	30 00	
The Bursar, postage supplied	422 00	
Wm. Burbidge, horse	50 00	
W. Buse, blacksmithing	11 80	
T. W. Campion, rabbits	7 50	
Canada Needle & Fishing Tackle Co., needles	32 00	
Canadian Milk Products, milk stock	24 00	
Canadian Bag Co., bags	13 00	
John Carlyle, table	5 50	
Central Bird Store, white mice	7 25	
A. Churly, blacksmithing	6 15	
City Treasurer, taxes, Barton Avenue stable	38 29	
F. W. Claasens, apparatus	14 00	
Geo. Coles, refreshments for picnic	15 10	
Collett-Sproule, boxes	175 95	
Conger-Lehigh Coal Co., coal	52 54	
Consumers' Gas Co., gas	168 36	
S. Coppard, hay	255 76	
Corning Glass Works, jars	29 76	
Cox & Andrew, signs	17 00	
Wm. Crabb & Co., needles	519 14	
S. E. Cuthbert, rent of Barton Avenue stable, 1 year to 8 Oct., 1918	60 00	
Cutten & Foster, automobile equipment	14 00	
Major Dean, hay	176 69	
Dr. R. D. Defries, travelling expenses, $142.72; slides purchased, $10.30	153 02	
H. Denby, horse	35 00	
Detroit Medical Glass Works, tubes	23 65	

Details of Expenditure, Operating Account.—Continued.

Dominion Express Co., express charges	444 63
Dominion Glass Co., bottles and vials	1,635 16
B. Double, board of farm help	435 20
E. W. Duke, bags, $50.00; baskets, gasoline, etc., $34.90	84 90
T. Eaton Co., furniture, harness and supplies	619 32
Eimer & Amend, filter paper and scales	67 43
Faramel Ltd., faramel	5 40
F. Farr, horses, 1 at $50.00; 1 at $45.00; meat, $56.14	151 14
Fiddes & Hogarth, repairs	28 45
J. G. A. Filion, translating	15 00
Miss H. Finegan, travelling expenses	63 77
Firstbrook Bros., boxes, $133.10; sawdust, $12.00	145 10
J. Fisher, blacksmithing	24 75
Dr. J. G. Fitzgerald, disbursements: Purchase of calves, $674.30; guinea pigs, rabbits, etc., $126.95; cartage, express, freight, etc., $309.02; laboratory supplies, $194.31; car supplies, gasoline, etc., $102.52; cable, telegram and telephone messages, $74.21; carfares, $58.24; postage and stationery, $18.57; stable and farm supplies, $17.90; subscription to periodicals, $11.11; Christmas gratuities, $5.80; sundries, $18.41	1,611 34
W. J. R. Fowler, horses, 1 at $55.00; 1 at $40.00; rabbits, $48.00; medical attendance for horses, $13.00	156 00
Fraser Stain-Crafts, chart	18 00
A. S. Fry, hay rack	21 50
Gilliland Laboratories, Inc., vaccine, etc., $3,142.58; testing antitoxin, $1,700.10	4,842 68
Gooderham & Worts, barrels	8 00
Goodyears' India Rubber Selling Co., bulbs	401 80
Grand Trunk Railway System, freight charges on oats	328 94
Great Northwestern Telegraph Co., telegrams	43 79
Emil Greiner Co., tubes and glassware	478 56
Gutta Percha & Rubber Co., corks and covers	641 07
Geo. H. Hackett, gravel, $3.50; rent of planner, $2.00	5 50
J. F. Hartz Co., sterilizers, etc.	102 75
G. Henderson, horse	40 00
R. F. Hicks, oats	69 30
Hogg & Lytle, oats	1,119 46
G. H. Hooper, repairs	20 00
Imperial Oil Co., gasoline and oil, $989.03; oven, $32.00	1,021 03
Ingram & Bell, incubator, glassware and supplies	314 97
W. E. Irons & Co., stencil	6 50
Wm. James, hay	675 36
Journal of Infectious Diseases, subscription	5 88
K. & S. Canadian Tire, Ltd., auto tires	94 85
Kilgour Bros., boxes	144 50
H. W. Knight & Bro., tank	21 80
J. G. Knox, carpentry work	14 00
Wm. Knowles, travelling expenses	9 05
R. Laidlaw & Co., sawdust	14 55
Lake Simcoe Ice Supply Co., ice	256 32
R. Line, horses, 1 at $60.00; 1 at $55.00; 1 at $50.00; 3 at $45.00; 3 at $40.00; 3 at $35.00; 1 at $30.00; $555.00; dressings, calves, etc., $25.47	580 47
R. A. Lister & Co., repairs	36 22
Lockport Cotton Batting Co., batting	72 32
A. R. Lundy, gate	8 20
Lyman Bros. & Co., chemicals	44 51
Macey Office Equipment Co., chair	8 55
Mallinckrodt Chemical Works, chemicals	1,188 29
Map Specialty Co., map	12 50
Moore Bros., pipe, hardware, etc.	218 50
Morgan Co., tubes	83 10
W. B. Muir, stove	22 10
McBride's Garage, auto hire	10 00
McColl Bros. & Co., oil and soap	167 70

Details of Expenditure, Operating Account.—Continued.

W. L. McCullough Co., grain crusher	102 15
McDonald & Warburton, repairs	5 29
W. H. McKenzie, lumber	167 34
McKenzie Bros., piping	81 89
J. J. McLaughlin, demijohns	12 50
National Equipment Co., pump and repairs	29 25
New York City, Department of Health, vaccine and serum	807 31
North Western Steel & Iron Works, sterilizer	132 33
Office Specialty Mfg. Co., stool	10 50
Ontario Rubber Co., boots	16 00
Page Wire Fence Co., gate	12 80
Parisian Laundry, laundry	200 37
Paste & Gum Co., paste	6 42
Jas. W. Paton, alcohol	19 50
Claude Pearce, repairs	14 60
Porter Bros., straw	222 81
Mrs. D. Potton, board of farm help, $115.00; horse, $35.00	150 00
Powers-Weightman-Rosengarten Co., chemicals	103 50
Provincial Treasurer, automobile licenses	20 00
Ramsay Contracting Co., concrete work on coal bins and root house	1,791 65
Remington Typewriter Co., typewriter and desk	140 65
Richards Glass Co., ampoules, etc.	40 85
Rippon Mfg. Co., frame	25 50
H. B. Schmidt, oats	515 87
Mrs. F. Scruby, board of farm help	57 15
Sheet Metal Products, cans	45 60
Mrs. J. Sherman, board of farm help	228 05
R. Sim, hay, $206.89; rent of farm, etc., $170.00	376 89
C. Smith, horse, $65.00; clipping horses, $27.00	92 00
Geo. Sparrow & Co., containers	6 00
O. B. Stanton & Wilson Co., cases and blank books	17 75
Steele, Briggs Seed Co., spades	9 00
Geo. Stephenson, hay	131 51
Sterling Action & Keys, Ltd., boxes	145 00
Stuart & Foster, cylinder	50 15
Students' Book Dept., books	8 00
Wm. Tafts, bed	9 50
Wm. Taylor, horse	45 00
Arthur H. Thomas Co., filter paper	61 89
Thompson, Ahern & Co., duty and shipping charges	50 83
S. M. Thorne, paper and twine	129 50
Toronto Nurseries, plans	50 00
Township of York, taxes, 1917, Connaught Laboratory	229 14
Universal Car Co., automobile accessories, repairs, etc.	685 88
University Press, stationery and supplies	769 53
W. A. Wallace, straw	50 67
W. O. Ward, meat	68 51
Watson Ltd., screens	18 75
Whitall, Tatum Co., chemicals, thermometers, etc.	84 01
G. K. White, milk	107 65
A. R. Williams Machinery Co., engine	98 00
John Williamson, fodder	52 55
Miss F. Withrow, stove	14 75
Woodbridge & Vaughan Telephone Co., 1 year's service to 25 July, $23.00; messages, $23.90	46 90
Roy Woods, hay	102 83
Wrought Iron Range Co., boilers and utensils	93 39
Items under $5.00 (21)	69 21
Superintendent's Dept., labour, $1,113.26; material, $1,239.36	2,352 62
Construction of Dam at Farm ($1,576.54):	
W. Calder & Son, tongs	3 75
Dr. R. D. Defries, disbursements: sand, $15.75; gravel, $13.50; hardware, $3.52	32 77
Drummond, McCall & Co., valve	73 50
F. H. Echlin, cement	189 00
File's Motor Express, cartage	15 50

Details of Expenditure, Operating Account.—Continued.

Hardware Co. of Toronto, bolts		7 88	
E. C. Hurlbut, lumber		96 03	
Levy & Westwood Machinery Co., hammer		25 50	
Rice Lewis & Son, tools and hardware		77 20	
Maple Sand, Gravel & Brick Co., sand and gravel		78 34	
Pedlar People, culvert		7 70	
Mrs. J. Sherman, board of workmen		43 00	
Worth Engineering Co., apparatus parts		19 85	
Wages of workmen		906 52	
		$64,320 95	
Less sundry credits:			
Received from sale of farm produce	$684 89		
Received from sale of calves and sheep	76 57		
Linde Canadian Refrigeration Co., allowance for cylinders, repairs, etc.	21 60		
Gilliland Laboratories, Inc., bulbs purchased	63 95		
Connaught Laboratories Research Fund, stabling and feeding horses	96 00		
		943 01	
			$63,377 94

Connaught Laboratories Research Fund.

Amount of account opened by transfer from Antitoxin Laboratory Surplus Account	25,000 00
Interest allowed	687 50
	$25,687 50
Expenditure as detailed below	1,503 58
At credit of account 30 June, 1918 (Schedule 4*b*)	$24,183 92

Details of Expenditure.

Salaries ($675.90):		
Research Associate, Dr. A. H. Caulfeild, 12 Feb. to 30 June at $1,500.00 per annum	$575 90	
Research assistant, Chas. Greenwood, 1 May to 30 June, at $50.00 per month	100 00	
Laboratory supplies and general maintenance ($827.68):		
Aikenhead Hardware, netting	20 50	
Antitoxin Laboratory, stabling and feeding horses	96 00	
Berkefield Filter Co., cases	14 12	
The Bursar, postage supplied	3 00	
T. W. Campion, pigeons	11 80	
Dr. A. H. Caulfeild, travelling expenses	139 45	
Eimer & Amend, glassware and supplies	104 44	
Dr. J. G. Fitzgerald, disbursements: animals, $51.45; food for animals, $8.06; laboratory supplies, $22.85; express, $6.80; sundries, $6.93	96 09	
Ingram & Bell, sterilizer, glassware and supplies	115 42	
Office Specialty Mfg. Co., office furniture	105 61	
Parisian Laundry Co., laundry	5 78	
John Williamson, fodder	22 30	
Wrought Iron Range Co., plate	3 00	
Petty items (5)	5 10	
Superintendent's Dept., labour, $45.35; material, $39.72	85 07	
		$1,503 58

APPENDIX VI.

Superintendent's Stores and Sundry Labour Account.

Ledger balance 30th June, 1917		$3,135 87
Purchases during 1917-18:		
Advance Oil & Supply Co., brushes, oil and cleaning material	$159 12	
Aikenhead Hardware, hardware	644 30	
Aikenhead Architectural Metal Works	52 20	
Babcock & Wilcox, tubes, etc.	107 20	
Baines & Peckover, iron and steel	68 85	
J. T. Baker Chemical Co., alcohol	18 72	
Wm. Bartlett & Son, shades	288 33	
Beardmore Belting Co., belting	26 99	
Belden Mfg. Co., wire	21 20	
Belling Electric, heaters	66 00	
Booth-Coulter Copper & Brass Co., fire extinguishers	100 20	
Britnell & Co., lumber	268 14	
W. Calder & Son, plates	15 50	
Cameron & Campbell, lumber	21 75	
Canada Hardware, hardware	1,096 52	
Canada Pipe & Steel Co., pipe, etc.,	1,787 28	
Canadian H. W. Johns-Manville Co., pipe covering	176 97	
Canadian Laco-Phillips, lamps	515 91	
Canadian Powers Regulator Co., repair parts	23 30	
Channell Chemical Co., mops	108 00	
Cox & Andrew, signs	26 00	
Dawson & Co., fuses	312 80	
Dearborn Chemical Co., boiler compound	179 45	
H. Disston & Sons, saws	5 19	
Dominion Bridge Co., steel	3,304 30	
Dominion Radiator Co., steamfitters' supplies	930 28	
Driver-Harris Co., metal stripping	13 87	
C. A. Dunham Co., traps	2,139 44	
Dunlop Tire & Rubber Goods Co., hose	42 11	
Eagle Lock Co., locks	32 66	
T. Eaton Co., linen, towelling, mats, etc.	446 46	
H. P. Eckardt & Co., cleaning material	78 85	
E. B. Eddy Co., matches and toilet paper	353 16	
Edison Storage Battery Co., cells	134 40	
Eimer & Amend, alcohol	94 28	
Elliot Wood Worker, motor	140 00	
Factory Products, electrical supplies	2,638 48	
Ferrier Wire Goods Co., screens	6 85	
Garlock Packing Co., asbestos, etc.	325 94	
W. H. Gibson, brooms	42 00	
Gillespie Bros., valves	40 00	
Gordon, Mackay & Co., cloth, towels, etc.	163 80	
Gutta Percha & Rubber, Ltd., belting	7 40	
T. H. Hancock, lumber	3,702 16	
Hardware Co. of Toronto, hardware	397 07	
Geo. M. Hendry Co., chalk, etc.	83 96	
High Grade Oil Co., soap	363 83	
H. S. Howland Sons & Co., screws, etc.	30 41	
Imperial Oil, candles	8 40	
John Inglis, Co., boiler tubes	72 00	
Interlake Tissue Mills, towels	367 50	
Jefferson Glass Co., glass	6 75	
Johnson Temperature Regulating Co., repair parts	36 61	
Warden King, radiators and pipe	935 67	
R. Laidlaw & Co., lumber	16 57	
John Leckie, rope	23 79	
L. Levasseur & Co., varnish	216 34	
Lever Bros., soap	36 00	
Lyman Bros. & Co., chamois and chemicals	44 53	
John Macdonald & Co., cloth, towelling, etc.	55 59	
N. Macdonald, emery paper	6 99	

Superintendent's Stores and Sundry Labour Account.—Continued.

Marshall & Son, moving lockers	6 00	
Matthews Bros., frames	19 55	
A. Matthews, roofing material	118 03	
McArthur, Irwin, Ltd., sizing	25 97	
McColl Bros. & Co., oil	152 11	
McDonald & Willson, cable, fuses, lamps, etc.	454 68	
McKay School Equipment Co., ink wells	7 00	
Geo. B. Meadows Co., screens	10 00	
J. Mehr & Son, boiler tubes	233 00	
H. Morris Crane & Hoist Co., chain block	25 00	
Jas. Morrison Brass Mfg. Co., plumbers' supplies	1,367 11	
Mott Co., faucets	253 04	
A. Muirhead Co., painters' supplies	261 46	
Murphy Iron Works, furnace parts	410 34	
National Electric Heating Co., heaters	31 20	
Northern Electric Mfg. Co., cable, etc.	994 13	
Ontario Lime Co., cement and pipe	43 40	
Otis-Fensom Elevator Co., cable	17 50	
C. B. Owens, vacuum cleaner	42 00	
E. F. Phillips Electricial Works, cable	444 83	
N. L. Piper Railway Supply Co., oil	47 75	
Queen City Brass Foundry, castings	24 43	
Queen City Sales Co., brooms	115 46	
Roofers' Supply Co., roofing material	30 05	
John Rydall, forgings	76 95	
Sanderson Pearcy & Co., painters' supplies	3,198 73	
Scythes & Co., waste	19 06	
Shelton Electric Co., heaters	17 12	
Signal Systems, telephones	20 62	
Robert Simpson Co., wall paper	120 03	
Smart-Turner Machine Co., valves	39 00	
John B. Smith & Sons, lumber	1,438 89	
Sovereign Oil Co., soap	5 75	
Standard Foundry Co., castings	53 56	
Standard Sanitary Mfg. Co., plumbers' supplies	33 26	
Talbot & Talbot, mop cloths	26 25	
John Taylor & Co., soap	63 00	
H. C. Thomas, brackets	47 00	
S. M. Thorne, mop cloths	152 37	
Toronto Iron Works, steel tank	97 00	
Toronto Wood Turning Works, patterns	59 80	
Triplex Weather Strip Co., weather-stripping, etc.	40 91	
Trumbull Electric Mfg. Co., panels	205 53	
Uneeda Specialty Mfg. Co., mops and dusters	18 00	
University Press, baskets, blank books, etc.	14 20	
Wickett Bros., lumber	426 00	
Wm. C. Wilson & Co., waste	17 12	
Freight and duty charges	308 38	
Items under $5.00 (22)	62 60	
		$35,123 54
		$38,259 41
Sundry labour, as per pay lists:		
Carpenters	$12,293 64	
Electricians	6,072 91	
Painters	3,713 78	
Plumbers and steamfitters	6,932 36	
Labourers, firemen, etc.	10,553 46	
Cleaners	15,526 15	
		$55,092 30
		$93,351 71

Apportionment of the foregoing:

Administration ($11,543.39):	Labour.	Material.
Bursar's Office	$10 06	$0 74
Registrar's Office	28 84	12 97
Superintendent's Office	14 17	4 81

Superintendent's Stores and Sundry Labour Account.—Continued.

	Labour.	Material.
Library Building	1,032 26	337 31
Library Current	17 72	46 83
Gymnasium Building	406 53	64 90
Gymnasium, Aid to Athletics	3 18	25 00
Convocation Hall	956 27	340 70
Grounds	6,841 81	764 14
Examinations	3 60	.....
Telephones	.....	600 00
Roll of Service	24 03	7 52
Faculty of Arts ($13,278.27):		
Main Building	3,023 82	961 23
Biological Building	1,194 19	549 87
Biological Department	1,269 58	822 15
Botanical Department	78 82	210 02
Bio-Chemical Department	62 29	62 60
Physiological Department	.....	50 86
Chemical Building	1,120 22	457 70
Chemical Department	230 73	154 58
Physical Chemistry Department	11 44	25 38
Physics Building	1,744 69	542 55
Physical Department	220 62	241 39
Astro-Physical Department	25 90	2 73
Geological Department	2 94	4 77
Mineralogical Department	29 76	24 98
Psychological Department	49 79	20 47
Mechanics Department	.....	3 72
Political Science Department	1 53	3 47
French Department	.....	1 00
University College General Expenses	43 49	28 99
Faculty of Medicine ($4,560.46):		
Anatomical Department	49 76	58 93
Pathological Department	197 58	92 32
Chemical Pathology Department	4 57	52 69
Pharmacy Department	23 57	41 83
Hygiene Department	377 05	321 55
Medical Building	1,590 86	517 38
Pathological Building	1,028 68	197 45
General Expenses	6 02	22
Faculty of Applied Science ($7,879.54):		
Chemistry and Mining Building	2,423 49	758 97
Engineering Building	1,835 37	507 32
Thermodynamics Building	427 13	403 92
Observatory Building	211 95	31 18
Electrical Engineering Department	93 89	95 57
Mechanical Engineering Department	35 08	112 23
Applied Mechanics Department	50 95	31 79
Mining Engineering Department	173 49	167 44
Metallurgical Engineering Department	13 49	15 88
Surveying Department	31 34	77 16
Applied Chemistry Department	99 54	65 12
Electro-Chemistry Department	56 35	31 11
Department of Architecture and Drawing	2 10	47 75
Department of Engineering Physics and Photography	40 86	37 82
General Expenses	.....	1 25
Faculty of Household Science ($1,849.38):		
Household Science Building	1,543 35	263 33
Household Science Department	34 99	7 71
Faculty of Education ($10,477.85):		
Education Building	2,243 44	760 81
Education Building Annex	3,032 89	3,698 44
Education Department	482 04	260 23
Faculty of Forestry ($671.90):		
Forestry Building	453 70	208 19
Forestry Department	7 57	2 44

Superintendent's Stores and Sundry Labour Account.—Continued.

		Labour.	Material.
University Extension and Social Service Courses ($860.76):			
University Extension	50	3 91	
Social Service Building	710 26	146 09	
Residences and Dining Hall ($5,401.01):			
Men's Residences	528 74	679 57	
Women's Residence Buildings	1,143 58	429 93	
Women's Residence Housekeeping Account	1 50	119 86	
Dining Hall	445 07	201 35	
University College Women's Union Building	852 93	969 31	
University College Women's Union Housekeeping Account	.....	29 17	
Royal Ontario Museum	3,483 62	1,472 24	
Central Power Plant	5,143 46	2,291 36	
University Press	102 42	100 24	
Printing Plant Account	.....	145 00	
Antitoxin Laboratory	1,113 26	1,239 36	
Connaught Laboratories Research Fund	45 35	39 72	
Special Research	569 34	422 91	
Alterations and repairs to sundry properties, various incidental accounts, etc.	185 98	129 61	
Work done for members of the staff, etc. (including accounts receivable on 30th June, 1918, $1,979.60)	5,746 91	11,683 25	
Sundry cash sales	.....	268 11	
	$55,092 30	$35,612 40	
			$90,704 70
Ledger balance 30th June, 1918 (Schedule 5*a*)			$2,647 01

BINDING LIST NOV 15 1936